

## Author index\*

- A**
- Abascal VM (see Rodriguez et al). 1992;123:1678-82 (Brief comm.)
- Abdullah M, Halim M, Rajendran V, Sawyer W, al Zaibag M. Comparison between single (Inoue) and double balloon mitral valvuloplasty: immediate and short-term results. 1992;123:1581-8
- Abeywardena MY (see McLennan et al). 1992;123:1555-61
- Abinader E (see Behar et al). 1992;123:1481-6
- Abramowicz M (see van de Borne et al). 1992;123:998-1004
- Ades PA, Huang D, Weaver SO. Cardiac rehabilitation participation predicts lower rehospitalization costs. 1992;123:916-21
- Adlakha A, Bechard DL, Geer MR. Primary thrombocytosis and myocardial ischemic syndrome in a young woman. 1992;123:786-90 (Brief comm.)
- Agmon J (see Behar et al). 1992;123:1481-6
- Agranat O (see Shechter et al). 1992;123:232-4 (Brief comm.)
- Aguirre F (see Donohue et al). 1992;123:1374-7 (Brief comm.)
- (see Kern and Aguirre). 1992;123:1369-73 (Brief comm.)
- (see Kern et al). 1992;123:160-5
- (see Sharma et al). 1992;123:810-4 (Brief comm.)
- (see Tatineni et al). 1992;123:617-20
- (see Tatineni et al). 1992;123:621-7
- Ahmed I (see Heller et al). 1992;123:909-16
- Aizawa T (see Naka et al). 1992;123:46-53
- Aizawa Y, Tamura M, Chinushi M, Niwano S, Kusano Y, Naitoh N, Shibata A, Tohjo T, Ueda Y, Joho K. An attempt at electrical catheter ablation of the arrhythmogenic area in idiopathic ventricular fibrillation. 1992;123:257-60 (Brief comm.)
- Ajisaka R (see Miyauchi et al). 1992;123:1092-3 (Brief comm.)
- Akaike M, Ishikura F, Nagata S, Kimura K, Miyatake K. Direct secretion from left atrium and pulmonary extraction of human atrial natriuretic peptide. 1992;123:984-9
- Akioka K (see Kohno et al). 1992;123:1382-4 (Brief comm.)
- Alam M, Glick C, Garcia R, Lewis JW Jr. Transesophageal echocardiographic features of left ventricular pseudoaneurysm resulting after mitral valve replacement surgery. 1992;123:226-8 (Brief comm.)
- , Rosman HS, Sun I. Transesophageal echocardiographic evaluation of St. Jude Medical and bioprosthetic valve endocarditis. 1992;123:236-9 (Brief comm.)
- Albanese S (see Rebuzzo et al). 1992;123:560-6
- Aldershville J (see Ulrik et al). 1992;123:1550-4
- Aleman EH (see Ruiz et al). 1992;123:942-7
- Alfonso F, Balaguer J, Grande A, Palomo J, Macaya C, Zarco P. Sudden appearance of giant negative T waves in patients with hypertrophic cardiomyopathy. 1992;123:1392-4 (Brief comm.)
- Al Handani A (see Kumar et al). 1992;123:725-9
- Allen B (see Brodsky et al). 1992;123:933-41
- (see Iseri et al). 1992;123:1404-9 (Editorial)
- (see Yen et al). 1992;123:243-4 (Brief comm.)
- Allen JW (see Ruiz et al). 1992;123:942-7
- Almeida DR (see Martinez et al). 1992;123:427-32
- Alois A (see Gentili et al). 1992;123:1225-8
- Alton ME (see Pasierski et al). 1992;123:802-3 (Brief comm.)
- Alvarez LG, Jackson SA, Berry JA, Eichhorn EJ. Evaluation of a personal computer-based quantitative coronary analysis system for rapid assessment of coronary stenoses. 1992;123:1500-10
- al Zaibag M (see Abdullah et al). 1992;123:1581-8
- Amico AF (see Hinds et al). 1992;123:143-50
- Amikam S (see Grenadier et al). 1992;123:220-2 (Brief comm.)
- Anan R, Higuchi I, Ichinari K, Kubota K, Kisanuki A, Arima S, Nakao S, Osame M, Tanaka H. Myocardial patchy staining of dystrophin in Becker's muscular dystrophy associated with cardiomyopathy. 1992;123:1088-9 (Brief comm.)
- Andersen HH (see Nielsen et al). 1992;123:69-72
- Anderson HV, King SB III. Modern approaches to the diagnosis of coronary artery disease. 1992;123:1312-23 (Curriculum cardiol.)
- Anderson LC (see Kereiakes et al). 1992;123:835-40
- B**
- Ando K, Ito Y, Ogata E, Fujita T. Vasodilating actions of calcitonin gene-related peptide in normal man: comparison with atrial natriuretic peptide. 1992;123:111-6
- Ang JGP (see Fellmeth et al). 1992;123:547-51 (Brief comm.)
- Anno T (see Ozaki et al). 1992;123:1191-8
- Aoyama T (see Morishita et al). 1992;123:1153-6
- Aptecar E (see Foul et al). 1992;123:1493-9
- Araie E, Fujita M, Ohno A, Ejiri M, Yamanishi K, Miwa K, Nakajima H, Sasayama S. Relationship between the preexistent coronary collateral circulation and successful intracoronary thrombolysis for acute myocardial infarction. 1992;123:1452-5
- Arakawa K (see Okabe et al). 1992;123:128-36
- (see Yamanouchi et al). 1992;123:417-20
- Araujo L (see Grover-McKay et al). 1992;123:646-52
- Araza E (see Simons et al). 1992;123:1077-9 (Brief comm.)
- Arduini A. Carnitine and its acyl esters as secondary antioxidants? 1992;123:1726-7 (Letter)
- Areskog M (see Nyman et al). 1992;123:324-31
- Areskog N-H (see Nyman et al). 1992;123:324-31
- Argyle SJ (see Geva et al). 1992;123:260-2 (Brief comm.)
- Arima S (see Anan et al). 1992;123:1088-9 (Brief comm.)
- Aronovitz M (see Schwartz et al). 1992;123:665-74
- Arora R (see Tyagi et al). 1992;123:674-80
- Ascoop CAPL (see Verzijlbergen et al). 1992;123:59-68
- Ashikaga T (see Kishi et al). 1992;123:291-7
- Atkin SH (see Quadrel et al). 1992;123:1377-9 (Brief comm.)
- Attie FM (see Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)
- Augé JM (see Marti et al). 1992;123:1065-7 (Brief comm.)
- Aurigemma G (see Hendel et al). 1992;123:1208-15
- Avila-Rosales L (see Vargas-Barron et al). 1992;123:1707-9 (Brief comm.)
- Azancot I (see Foul et al). 1992;123:1493-9
- B**
- Backer V (see Ulrik et al). 1992;123:1550-4
- Baer FM, Smolarz K, Jungehülsing M, Beckwilm J, Theissen P, Sechtem U, Schicha H, Hilger HH. Chronic myocardial infarction: assessment of morphology, function, and perfusion by gradient echo magnetic resonance imaging and <sup>99m</sup>Tc-methoxyisobutyl-isonitrile SPECT. 1992;123:636-45
- Bajaj R (see Varma et al). 1992;123:1055-7 (Brief comm.)
- Balaguer J (see Alfonso et al). 1992;123:1392-4 (Brief comm.)
- Balakrishnan KG (see Shah et al). 1992;123:1379-82 (Brief comm.)
- Balk AH (see Strikwerda et al). 1992;123:1686-90 (Brief comm.)
- Ball BA (see Gorcsan et al). 1992;123:171-6
- Ballal R, Nanda NC, Sanyal R. Intraoperative transesophageal echocardiographic diagnosis of left atrial pseudoaneurysm. 1992;123:217-8 (Brief comm.)
- Ballantyne F III (see Birmingham et al). 1992;123:774-81 (Prog. cardiol.)
- Ballester M (see Marti et al). 1992;123:1065-7 (Brief comm.)
- Bandin MA (see Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)
- Banka VS, Maniet AR, Voci G. Lovastatin on restenosis. 1992;123:1725 (Letter reply)
- Baraga J (see Verbunt et al). 1992;123:208-16 (Prog. cardiol.)
- Barbieri A (see Martinez et al). 1992;123:427-32
- Barbieri E (see Marino et al). 1992;123:1157-65
- Barbosa MM, Nishimura RA, Holmes DR Jr, Reeder GS, Ilstrup DM, Tajik AJ. Recurrence of symptoms after percutaneous aortic balloon valvuloplasty: relationship to Doppler diastolic filling values. 1992;123:1236-44
- Barbour MM (see Heller et al). 1992;123:909-16
- Barletta G (see Marchionni et al). 1992;123:977-83
- Baron SB (see Fellmeth et al). 1992;123:547-51 (Brief comm.)
- Barzilai J (see Behar et al). 1992;123:1481-6
- Batsford WP (see Sager et al). 1992;123:926-33
- Battler A (see Leor et al). 1992;123:784-6 (Brief comm.)
- Battu P (see D'Cruz et al). 1992;123:1703-6 (Brief comm.)
- Baubion N (see Le Feuvre et al). 1992;123:860-5
- Bauer B (see Przyklenk et al). 1992;123:575-88
- Baur LHB (see de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)
- Baviere HV (see Deleu and Baviere). 1992;123:1726 (Letter)

\*January, pp. 1-278; February, pp. 279-552; March, pp. 553-834; April, Part 1, pp. 835-1104; April, Part 2, pp. 1105-1152; May, pp. 1153-1438; June, pp. 1439-1784.

- Beatt KJ (see de Scheerder et al). 1992;123:1046-54 (Prog. cardi-ol.)
- Beauchamp GD (see Rosamond et al). 1992;123:403-7
- Beauman G (see Kern et al). 1992;123:160-5
- Bechar DL (see Adlakha et al). 1992;123:786-90 (Brief comm.)
- Beckwilm J (see Baer et al). 1992;123:636-45
- Behar S, Reicher-Reiss H, Abinader E, Agmon J, Friedman Y, Barzilai J, Kaplinsky E, Kauli N, Kishon Y, Palant A, Peled B, Rabinovich B, Reislin L, Schlesinger Z, Zahavi I, Zion M, Goldbourt U. The prognostic significance of angina pectoris preceding the occurrence of a first acute myocardial infarction in 4166 consecutive hospitalized patients. 1992;123:1481-6  
— (see Leor et al). 1992;123:784-6 (Brief comm.)
- Bernick I, Dani R, Smith ER, Tyberg JV. The importance of pericardial constraint in experimental pulmonary embolism and volume loading. 1992;123:733-42
- Bergin P (see Hicks et al). 1992;123:653-64
- Bernard HR (see Hannan et al). 1992;123:866-72
- Bernstein SB (see Shandling et al). 1992;123:310-6
- Berry JA (see Alvarez et al). 1992;123:1500-10
- Berti L (see Casolo et al). 1992;123:1252-60
- Bertulla A (see Brignole et al). 1992;123:687-92
- Bevilacqua M (see Marino and Bevilacqua). 1992;123:1075-7 (Brief comm.)
- Beyar R (see Grenadier et al). 1992;123:220-2 (Brief comm.)
- Bhagwat AR, Loya YS, Sharma S. Transient pulmonary hypertension following pulmonary balloon valvuloplasty. 1992;123:1397-8 (Brief comm.)
- Bharadwaj B (see Prasad et al). 1992;123:37-45
- Bhatt A (see Ghali et al). 1992;123:993-7
- Bianchi C (see Rebuzzi et al). 1992;123:560-6
- Bianconi L (see Gentili et al). 1992;123:1225-8
- Biblo LA (see Waldo et al). 1992;123:1140-7 (Symposium)
- Bicego D (see Marino et al). 1992;123:1157-65
- Bijl M, Verheugt FWA. Extreme QT prolongation solely due to reversible myocardial ischemia in single-vessel coronary disease. 1992;123:524-6 (Brief comm.)
- Binkley PF (see Pasierski et al). 1992;123:1288-92
- Biocine B (see Mamprin et al). 1992;123:1725-6 (Letter)
- Birmingham GD, Rahko PS, Ballantyne F III. Improved detection of infective endocarditis with transesophageal echocardiography. 1992;123:774-81 (Prog. cardi-ol.)
- Bjerregaard P (see Janosik et al). 1992;123:538-41 (Brief comm.)
- Bloom RA, Rosen D. Auscultated growl of myocardial rupture. 1992;123:1730 (Letter)
- Boden WE (see Schechtman et al). 1992;123:1175-81
- Böhm M (see Schwinger et al). 1992;123:116-28
- Boudoulas H (see Hirata et al). 1992;123:743-52 (Curriculum cardi-ol.)
- Boussignac G (see Tomaru et al). 1992;123:886-95  
— (see Tomaru et al). 1992;123:896-904
- Boveris A (see Milei et al). 1992;123:339-45
- Bowen J (see Hirata et al). 1992;123:743-52 (Curriculum cardi-ol.)
- Brand A, Dollberg S, Keren A. The prevalence of valvular regurgitation in children with structurally normal hearts: a color Doppler echocardiographic study. 1992;123:177-80
- Brembilla-Perrot B. Heart rate variations during isoproterenol infusion in congestive heart failure: relationships to cardiac mortality. 1992;123:989-92  
—, Dechaux JP. Ventricular fibrillation induced by transesophageal atrial pacing in asymptomatic Wolff-Parkinson-White syndrome. 1992;123:536-7 (Brief comm.)
- Bridle TM (see McLennan et al). 1992;123:1555-61
- Brignole M, Oddone D, Cogorno S, Menozzi C, Gianfranchi L, Bertulla A. Long-term outcome in symptomatic carotid sinus hypersensitivity. 1992;123:687-92
- Brodde O-E. Chronic  $\beta_1$ -blocker treatment and cardiac  $\beta_2$ -adrenoceptor function. 1992;123:1727-8 (Letter)
- Brodsky M, Doria R, Allen B, Sato D, Thomas G, Sada M. New-onset ventricular tachycardia during pregnancy. 1992;123:933-41  
— (see Iseri et al). 1992;123:1404-9 (Editorial)  
— (see Yen et al). 1992;123:243-4 (Brief comm.)
- Brogan WC III, Lange RA, Hillis LD. Accuracy of various methods of measuring the transvalvular pressure gradient in aortic stenosis. 1992;123:948-53
- Brondolo E (see Kostis et al). 1992;123:466-74
- Brooks HL (see O'Brien et al). 1992;123:566-74
- Brown PR (see Fellmeth et al). 1992;123:547-51 (Brief comm.)
- Brozena S (see Katz et al). 1992;123:95-103
- Buchwald AB, Werner GS, Unterberg C, Voth E, Kreuzer H, Wiegand V. Restenosis after excimer laser angioplasty of coronary stenoses and chronic total occlusions. 1992;123:878-85
- Buda AJ (see Lim et al). 1992;123:1456-63
- Buechi M (see Gaglione et al). 1992;123:1487-92
- Buendia A (see Vargas-Barron et al). 1992;123:1707-9 (Brief comm.)
- Bui S (see Kimball et al). 1992;123:7-14
- Buis B (see de Scheerder et al). 1992;123:1046-54 (Prog. cardi-ol.)
- Burgisser C (see Marchionni et al). 1992;123:977-83
- Burton P, Kaski JC, Maseri A. A combination of electrocardiographic methods represents a further step toward the noninvasive identification of patients with syndrome X. 1992;123:53-8
- Bussani R (see Pinamonti et al). 1992;123:711-24
- ### C
- Calabró MP (see Oreto et al). 1992;123:798-9 (Brief comm.)
- Callicot P (see Sharma et al). 1992;123:810-4 (Brief comm.)
- Camenzind E (see Delonca et al). 1992;123:1201-7
- Camerini F (see Pinamonti et al). 1992;123:711-24
- Campa MA (see Kus et al). 1992;123:82-9
- Canter CE (see Ong et al). 1992;123:1594-600
- Capone RJ (see Schechtman et al). 1992;123:1175-81
- Capell MS, Mikhail N, Ortega A. Toxoplasma myocarditis in AIDS. 1992;123:1728-30 (Letter)
- Caralps-Riera JM (see Marti et al). 1992;123:1065-7 (Brief comm.)
- Carlson MD (see Waldo et al). 1992;123:1140-7 (Symposium)
- Carlson R (see Simons et al). 1992;123:224-6 (Brief comm.)
- Carvalho ACC (see Martinez et al). 1992;123:427-32
- Casale AS (see Livingston et al). 1992;123:528-30 (Brief comm.)
- Case CL (see Lau et al). 1992;123:1384-6 (Brief comm.)
- Casolo GC, Zampa V, Rega L, Berti L, Filice M, Picchione N, Poggesi L. Evaluation of mitral stenosis by cine magnetic resonance imaging. 1992;123:1252-60
- Castello HJ (see Martinez et al). 1992;123:427-32
- Castello R (see Waldo et al). 1992;123:234-6 (Brief comm.)
- Castiglioni MLV (see Martinez et al). 1992;123:427-32
- Castini D, Mangiarotti E, Vitolo E, Conconi B, Triulzi MO. Effects of venous return reduction in hypertensive patients: Is there a Doppler diastolic dysfunction index independent of preload reduction? 1992;123:1299-306
- Castle LW (see Hughes et al). 1992;123:408-12  
— (see Maloney et al). 1992;123:1561-8
- Cave V (see Lee et al). 1992;123:1569-74
- Chandler J (see Garcia et al). 1992;123:526-8 (Brief comm.)
- Chandrasekaran K (see Davis et al). 1992;123:534-6 (Brief comm.)
- Chang C-H (see Kuo et al). 1992;123:218-20 (Brief comm.)  
— (see Kuo et al). 1992;123:1394-7 (Brief comm.)
- Chang J-M (see Seelos et al). 1992;123:1269-72
- Chang J-S (see Young et al). 1992;123:253-4 (Brief comm.)
- Charnock JS (see McLennan et al). 1992;123:1555-61
- Chatterjee K (see Le et al). 1992;123:1368-9 (Brief comm.)
- Chaudhary AK (see Prasad et al). 1992;123:37-45
- Chen M-R (see Young et al). 1992;123:253-4 (Brief comm.)
- Chen V (see Downing and Chen). 1992;123:589-96
- Cheng TO (see Wang et al). 1992;123:1027-38 (Curriculum cardi-ol.)
- Cherng W-J, Chiang C-W, Kuo C-T, Lee C-P, Lee Y-S. A comparison between intravenous streptokinase and tissue plasminogen activator with early intravenous heparin in acute myocardial infarction. 1992;123:841-6
- Chiang C-W (see Cherng et al). 1992;123:841-6  
— (see Kuo et al). 1992;123:218-20 (Brief comm.)  
— (see Kuo et al). 1992;123:1394-7 (Brief comm.)
- Chinushi M (see Aizawa et al). 1992;123:257-60 (Brief comm.)
- Chopra PS, Rao PS. Corrective surgery for tricuspid atresia: Which modification of Fontan-Kreutzer procedure should be used? A review. 1992;123:758-67 (Curriculum cardi-ol.)  
— (see Rao et al). 1992;123:191-200 (Prog. cardi-ol.)
- Christellis EM (see Faxon et al). 1992;123:854-9
- Chrysos BE (see Variale and Chrysos). 1992;123:369-76
- Chui CC-Y (see Lau et al). 1992;123:1388-90 (Brief comm.)
- Ciabattini G (see Rebuzzi et al). 1992;123:560-6
- Cincinnati Heart Project Study Group (see Kereiakes et al). 1992;123:835-40
- Clapp SK (see Ross et al). 1992;123:1293-9

- Clark LT. Atherogenesis and thrombosis: mechanisms, pathogenesis, and therapeutic implications. 1992;123:1106-9 (Symposium)
- Clayson KR (see Fellmeth et al). 1992;123:547-51 (Brief comm.)
- Coats MH (see Falk et al). 1992;123:136-42
- Cogorno S (see Brignole et al). 1992;123:687-92
- Cohn JN (see Katz et al). 1992;123:95-103
- Cohn S (see Hendel et al). 1992;123:1208-15
- Colloridi V, Perri C, Ventriglia F, Critelli G. Oral sotalol in pediatric atrial ectopic tachycardia. 1992;123:254-6 (Brief comm.)
- Colombo E (see Lombardi et al). 1992;123:1521-9
- Coma-Canella I. Stress-induced ST segment shift in leads V<sub>3R</sub> and V<sub>4R</sub> after acute myocardial infarction. 1992;123:362-8
- Compres H (see Rey et al). 1992;123:1067-9 (Brief comm.)
- Comstock TJ (see Felicetta et al). 1992;123:1022-6
- Conconi B (see Castini et al). 1992;123:1299-1306
- Cooke RH (see Mintz et al). 1992;123:1692-4 (Brief comm.)
- Cooper R (see Ghali et al). 1992;123:993-7
- Coplan NL (see Stachenfeld et al). 1992;123:922-5
- Coppola E (see Rebuzzi et al). 1992;123:560-6
- Cornel JH, Ten Cate FJ, Serruys PW. Myocardial contrast echocardiography can depict thebesian vein outflow in humans. 1992;123:1373-4 (Brief comm.)
- Cothren RM (see Verbunt et al). 1992;123:208-16 (Prog. cardiol.)
- Covarrubias J (see Milei et al). 1992;123:339-45
- Coy KM, Maurer G, Goodman D, Siegel RJ. Transesophageal echocardiographic detection of aortic atheromatosis may provide clues to occult renal dysfunction in the elderly. 1992;123:1684-6 (Brief comm.)
- Cregler LL. Antithrombotic therapy in left ventricular thrombosis and systemic embolism. 1992;123:1110-4 (Symposium)
- Criado A (see Rey et al). 1992;123:1067-9 (Brief comm.)
- Critelli G (see Colloridi et al). 1992;123:254-6 (Brief comm.)
- Cronican P (see Danford and Cronican). 1992;123:1712-3 (Brief comm.)
- Crouse LJ (see Rosamond et al). 1992;123:403-7
- Cuddy TE (see Liu et al). 1992;123:285-90
- Culliford A (see Dorsa et al). 1992;123:1398-1400 (Brief comm.)
- Cuppper WR (see Jain et al). 1992;123:514-5 (Brief comm.)
- Currie PJ (see Hicks et al). 1992;123:653-64
- Cutler NR (see Felicetta et al). 1992;123:1022-6

## D

- Dafopoulos N (see Kimball et al). 1992;123:7-14
- Dahlberg S (see Hendel et al). 1992;123:1208-15
- Dai Z-K (see Young et al). 1992;123:253-4 (Brief comm.)
- Dalvi BV (see D'Silva et al). 1992;123:1390-2 (Brief comm.)
- Danford DA, Cronican P. Hypoplastic left heart syndrome: progression of left ventricular dilation and dysfunction to left ventricular hypoplasia in utero. 1992;123:1712-3 (Brief comm.)
- Dani R (see Belenkie et al). 1992;123:733-42
- Dargie HJ (see Northridge et al). 1992;123:698-703
- Davidoff R (see McKenney et al). 1992;123:1071-5 (Brief comm.)
- Davies G (see Tousoulis et al). 1992;123:15-20
- Davis GA, Sauerisen S, Chandrasekaran K, Karalis DG, Ross J Jr, Mintz GS. Subclinical traumatic aortic injury diagnosed by transesophageal echocardiography. 1992;123:534-6 (Brief comm.)
- Davis WR, Schaal SF. Pharmacologic suppression of atrial flutter induced by atrial stimulation. 1992;123:681-6
- Daxini BV (see Sharma et al). 1992;123:515-8 (Brief comm.)
- D'Cruz IA, Hoffman PK, Pai GM. Paradoxical right ventricular wall motion in postsurgical anterior cardiac compression by hematoma. 1992;123:1069-71 (Brief comm.)
- , Holman M, Battu P. Echocardiographic manifestations of esophageal carcinoma. 1992;123:1703-6 (Brief comm.)
- Dechaux JP (see Brembilla-Perrot and Dechaux). 1992;123:536-7 (Brief comm.)
- de Faire U (see Perski et al). 1992;123:609-16
- de Feyter PJ, de Jaegere PPT, Murphy ES, Serruys PW. Abrupt coronary artery occlusion during percutaneous transluminal coronary angioplasty. 1992;123:1633-42 (Curriculum cardiol.)
- (see de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)
- (see Strikwerda et al). 1992;123:1686-90 (Brief comm.)
- Degaute J-P (see van de Borne et al). 1992;123:998-1004
- De Geest H (see Sionis et al). 1992;123:530-2 (Brief comm.)
- Degre S (see van de Borne et al). 1992;123:998-1004
- Deguchi H (see Terasaki et al). 1992;123:439-52

- de Jaegere PPT (see de Feyter et al). 1992;123:1633-42 (Curriculum cardiol.)
- de la Serna F (see Pande et al). 1992;123:1182-6
- Deleu D, Baviere HV. Coronary-selective properties of nisoldipine. 1992;123:1726 (Letter)
- de Lezo JS (see Pavlovic et al). 1992;123:249-50 (Brief comm.)
- Deligonul U (see Tatineni et al). 1992;123:621-7
- Delonca J, Camenzind E, Meier B, Righetti A. Limits of thallium-201 exercise scintigraphy to detect coronary disease in patients with complete and permanent bundle branch block: a review of 134 cases. 1992;123:1201-7
- DeMaria AN (see Huang et al). 1992;123:395-402
- (see Smith et al). 1992;123:953-60
- Deng Y-B (see Wang et al). 1992;123:1027-38 (Curriculum cardiol.)
- Derugin N (see Saeed et al). 1992;123:1472-80
- de Scheerder IK, Strauss BH, de Feyter PJ, Beatt KJ, Baur LHB, Wijns W, Heyndrickx GR, Suryapranata H, van den Brand M, Buis B, Serruys PW. Stenting of venous bypass grafts: a new treatment modality for patients who are poor candidates for re-intervention. 1992;123:1046-54 (Prog. cardiol.)
- Destache CJ (see Mohiuddin et al). 1992;123:729-32
- Destro G (see Marino et al). 1992;123:1157-65
- Diana P (see Gorcsan et al). 1992;123:171-6
- Di Donato M (see Marchionni et al). 1992;123:977-83
- Di Lenarda A (see Pinamonti et al). 1992;123:711-24
- Dillon S (see Stoddard et al). 1992;123:1005-10
- Dollberg S (see Brand et al). 1992;123:177-80
- Donato A (see Oretto et al). 1992;123:798-9 (Brief comm.)
- D'Onofrio F (see Paolillo et al). 1992;123:103-10
- Donohue T, Aguirre F, Miller L, Kern MJ. Angiographic and intracoronary flow velocity reversal in a transplanted heart: a common etiology for an uncommon condition. 1992;123:1374-7 (Brief comm.)
- Donzeau-Gouge P (see Lazarus et al). 1992;123:222-4 (Brief comm.)
- Doria RJ (see Brodsky et al). 1992;123:933-41
- (see Lehmann et al). 1992;123:1273-8
- Dorsa FB, Tunick PA, Culliford A, Kronzon I. Pseudoaneurysm of the thoracic aorta due to cardiopulmonary resuscitation: diagnosis by transesophageal echocardiography. 1992;123:1398-400 (Brief comm.)
- Dorsaz P-A (see Pande et al). 1992;123:1182-6
- Doshi R (see Utsunomiya et al). 1992;123:166-71
- Downing SE, Chen V. Effects of catecholamine stimulation on myocardial hibernation. 1992;123:589-96
- Drage D (see O'Brien et al). 1992;123:566-74
- D'Silva SA, Kohli A, Dalvi BV, Kale PA. MRI in right ventricular endomyocardial fibrosis. 1992;123:1390-2 (Brief comm.)
- Dubuc M (see Kus et al). 1992;123:82-9
- Duca PR (see McGarry et al). 1992;123:1445-51
- Dunbar DN (see Havranek and Dunbar). 1992;123:792-4 (Brief comm.)
- Dunn B (see Fawzy et al). 1992;123:462-5
- Duran CMG (see Fawzy et al). 1992;123:462-5
- Dzau VJ (see Swales and Dzau). 1992;123:1412-3 (Symposium)

## E

- Efron M (see Taylor et al). 1992;123:1701-3 (Brief comm.)
- Eichhorn EJ (see Alvarez et al). 1992;123:1500-10
- Eilles C (see Gaudron et al). 1992;123:377-85
- Eisenbauer AC, Matthews RV, Moore L. Late direct angioplasty in patients with myocardial infarction and fluctuating chest pain. 1992;123:553-9
- Ejiri M (see Araie et al). 1992;123:1452-5
- Ekong EA (see Sunder et al). 1992;123:790-2 (Brief comm.)
- El Habbal MH. Cardiovascular manifestations of Marfan's syndrome in the young. 1992;123:752-7 (Curriculum cardiol.)
- Elkayam U (see Widerhorn et al). 1992;123:796-8 (Brief comm.)
- Ellestad MH, Thomas L, Ong R, Loh J. The predictive value of the time course of ST segment depression during exercise testing in patients referred for coronary angiograms. 1992;123:904-8
- (see Shandling et al). 1992;123:310-6
- El Shimy N (see Kumar et al). 1992;123:725-9
- El Tamimi H (see Tousoulis et al). 1992;123:15-20
- Emoto H (see Tominaga et al). 1992;123:21-8
- Engle MA (see Seifert et al). 1992;123:239-42 (Brief comm.)
- Erdmann E (see Schwinger et al). 1992;123:116-28



- Ertl G (see Gaudron et al). 1992;123:377-85  
 Eskenazi M (see Stachenfeld et al). 1992;123:922-5  
 Ewy GA (see Kershenovich et al). 1992;123:521-3 (Brief comm.)

## F

- Falk RH, Foster E, Coats MH. Ventricular thrombi and thromboembolism in dilated cardiomyopathy: a prospective follow-up study. 1992;123:136-42  
 Fang B-R (see Kuo et al). 1992;123:218-20 (Brief comm.)  
 Fantini F (see Marchionni et al). 1992;123:977-83  
 Farooki ZQ (see Ross et al). 1992;123:1293-9  
 Favre J (see Pande et al). 1992;123:1182-6  
 Fawzy ME, Ribeiro PA, Dunn B, Galal O, Muthusamy R, Shaikh A, Mercer E, Duran CMG. Percutaneous mitral valvotomy with the Inoue balloon catheter in children and adults: immediate results and early follow-up. 1992;123:462-5  
 Faxon DP, Ghalili K, Jacobs AK, Ruocco NA, Christellis EM, Kellett MA Jr, Varrichione TR, Ryan TJ. The degree of revascularization and outcome after multivessel coronary angioplasty. 1992;123:854-9  
 Fayemi A (see Menegus et al). 1992;123:1260-8  
 Feld H, Lichstein E, Schachter J, Shani J. Early and late angiographic findings of the "no-reflow" phenomenon following direct angioplasty as primary treatment for acute myocardial infarction. 1992;123:782-4 (Brief comm.)  
 Feld M (see Verbunt et al). 1992;123:208-16 (Prog. cardi.)  
 Felicetta JV, Serfer HM, Cutler NR, Comstock TJ, Huber GL, Weir MR, Hafner K, Park GD. A dose-response trial of once-daily diltiazem. 1992;123:1022-6  
 Fellmeth BD, Baron SB, Brown PR, Ang JGP, Clayson KR, Morrison SL, Low RI. Repair of postcatheterization femoral pseudoaneurysms by color flow ultrasound guided compression. 1992;123:547-51 (Brief comm.)  
 Fernandez J (see Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)  
 Ferrans VJ (see Milei et al). 1992;123:1732-5 (Editorial)  
 Ferreira R (see Milei et al). 1992;123:339-45  
 Feuer JM (see Lehmann et al). 1992;123:1273-8  
 Filice M (see Casolo et al). 1992;123:1252-60  
 Fitzmaurice MA (see Verbunt et al). 1992;123:208-16 (Prog. cardi.)  
 Fitzpatrick KC. Toxic oil syndrome. 1992;123:1722-3 (Letter)  
 Fong P-C (see Lau et al). 1992;123:1388-90 (Brief comm.)  
 Fontaine JM. Evaluation of patients with complex ventricular arrhythmias: current noninvasive and invasive methods. 1992;123:1123-9 (Symposium)  
 Fontcuberta J (see Marti et al). 1992;123:1065-7 (Brief comm.)  
 Forcada P (see Milei et al). 1992;123:339-45  
 Forette B, Koen R, Vicaut E. Efficacy and safety of quinapril in the elderly hypertensive patient. 1992;123:1426-32 (Symposium)  
 Forman MB (see Norton et al). 1992;123:332-8  
 Foster E (see Falk et al). 1992;123:136-42  
 Foul J-M, Nitenberg A, Aptekar E, Azancot I. Left ventricular regional dysfunction induced by intracoronary papaverine in patients with isolated stenosis of the left anterior descending coronary artery. 1992;123:1493-9  
 Fox K (see Mulcahy et al). 1992;123:597-603  
 Fredman C (see Janosik et al). 1992;123:538-41 (Brief comm.)  
 Freilich A, Tepper D. Adenosine and its cardiovascular effects. 1992;123:1324-8 (Curriculum cardi.)  
 Freis ED. Unrecognized contributions in cardiovascular research. 1992;123:824-34 (Editorial)  
 Frick MH (see Mänttari et al). 1992;123:873-7  
 Friedman O (see Ledley et al). 1992;123:518-21 (Brief comm.)  
 Friedman Y (see Behar et al). 1992;123:1481-6  
 Frøysaker T (see Ihlen et al). 1992;123:151-9  
 Fudys T (see Mohiuddin et al). 1992;123:386-94  
 Fujimura O, Smith BA, Kuo C-S. Dual ventriculoatrial conduction caused by closely approximated accessory atrioventricular pathways. 1992;123:251-2 (Brief comm.)  
 Fujino M (see Miyauchi et al). 1992;123:1092-3 (Brief comm.)  
 Fujita M (see Araie et al). 1992;123:1452-5  
 Fujita T (see Ando et al). 1992;123:111-6  
 — (see Shimamoto et al). 1992;123:1229-36  
 Fukuda K (see Okabe et al). 1992;123:128-36  
 Funari M (see Seelos et al). 1992;123:1269-72

## G

- Gaglione A, Hess OM, Buechi M, Pucillo A, Krayenbuehl HP. Coronary tandem lesions: effect of exercise. 1992;123:1487-92  
 Gaither NS (see Smolin et al). 1992;123:1062-5 (Brief comm.)  
 Galal O (see Fawzy et al). 1992;123:462-5  
 Galve E, Permyer-Miralda G, Tornos MP, Oller G, Roma F, Soler-Soler J. Self-limited acute pericarditis as initial manifestation of primary cardiac tumor. 1992;123:1690-2 (Brief comm.)  
 Gambardella A (see Paolisso et al). 1992;123:103-10  
 Gambhir DS (see Tyagi et al). 1992;123:674-80  
 Gannon JM (see Mohiuddin et al). 1992;123:729-32  
 Garber CE (see Heller et al). 1992;123:909-16  
 Garcia CM, Chandler J, Russell R. Anomalous left circumflex coronary artery from the right pulmonary artery: first adult case report. 1992;123:526-8 (Brief comm.)  
 Garcia R (see Alam et al). 1992;123:226-8 (Brief comm.)  
 Gardin JM (see Utsunomiya et al). 1992;123:166-71  
 Garner D (see Ginzton et al). 1992;123:628-35  
 Gaudron P, Eilles C, Ertl G, Kochsiek K. Compensatory and non-compensatory left ventricular dilatation after myocardial infarction: time course and hemodynamic consequences at rest and during exercise. 1992;123:377-85  
 Geer MR (see Adlakha et al). 1992;123:786-90 (Brief comm.)  
 Geiran O (see Ihlen et al). 1992;123:151-9  
 Genovely H (see Janosik et al). 1992;123:538-41 (Brief comm.)  
 Gentili C, Giordano F, Alois A, Massa E, Bianconi L. Efficacy of intravenous propafenone in acute atrial fibrillation complicating open-heart surgery. 1992;123:1225-8  
 Georges JL (see Le Feuvre et al). 1992;123:860-5  
 Geschwind HJ (see Tomaru et al). 1992;123:886-95  
 — (see Tomaru et al). 1992;123:896-904  
 Geva T, Ott DA, Ludomirsky A, Argyle SJ, O'Laughlin MP. Tricuspid atresia associated with aortopulmonary window: controlling pulmonary blood flow with a fenestrated patch. 1992;123:260-2 (Brief comm.)  
 Ghali JK, Kadakia S, Bhatt A, Cooper R, Liao Y. Survival of heart failure patients with preserved versus impaired systolic function: the prognostic implication of blood pressure. 1992;123:993-7  
 Ghalili K (see Faxon et al). 1992;123:854-9  
 Gheorghide M (see Zarowitz and Gheorghide). 1992;123:1401-3 (Editorial)  
 Gianfranchi L (see Brignole et al). 1992;123:687-92  
 Gibler WB (see Kereiakes et al). 1992;123:835-40  
 — (see Kowalenko et al). 1992;123:181-90 (Curriculum cardi.)  
 Gibson RS (see Schechtman et al). 1992;123:1175-81  
 Gillette PC (see Gwinn et al). 1992;123:1216-9  
 — (see Lau et al). 1992;123:1384-6 (Brief comm.)  
 Gillum RF, Makuc DM. Serum albumin, coronary heart disease, and death. 1992;123:507-13 (Prog. cardi.)  
 Ginkel ML (see Iseri et al). 1992;123:1404-9 (Editorial)  
 Ginzton LE, Rodrigues D, Garner D, Laks MM. Functional significance of post-myocardial infarction left ventricular hypertrophy: a beneficial response. 1992;123:628-35  
 Giordano F (see Gentili et al). 1992;123:1225-8  
 Giorgi LV (see O'Keefe et al). 1992;123:1-6  
 Glazier JJ (see Sionis et al). 1992;123:530-2 (Brief comm.)  
 Gleim GW (see Stachenfeld et al). 1992;123:922-5  
 Glick C (see Alam et al). 1992;123:226-8 (Brief comm.)  
 Glikson M (see Shechter et al). 1992;123:232-4 (Brief comm.)  
 Goldbourt U (see Behar et al). 1992;123:1481-6  
 Goldenberg IF (see Limas et al). 1992;123:967-70  
 Goldring DR (see Ong et al). 1992;123:1594-600  
 Goldstein S (see Sabbah et al). 1992;123:961-6  
 Gonzalez R (see Rhodes et al). 1992;123:807-10 (Brief comm.)  
 Goodman D (see Coy et al). 1992;123:1684-6 (Brief comm.)  
 Gorcsan J III, Diana P, Ball BA, Hattler BG. Intraoperative determination of cardiac output by transesophageal continuous wave Doppler. 1992;123:171-6  
 Gorman PD (see Smolin et al). 1992;123:1062-5 (Brief comm.)  
 Goto K (see Miyauchi et al). 1992;123:1092-3 (Brief comm.)  
 Gotoh K (see Tomita et al). 1992;123:1011-22  
 Gottlieb RS (see McGarry et al). 1992;123:1445-51  
 Gradman AH. Hemodynamic effects of the vascular selective calcium antagonist felodipine in patients with impaired left ventricular function. 1992;123:273-8 (Editorial)  
 Graham T (see Mamprin et al). 1992;123:1725-6 (Letter)  
 Gram-Hansen P (see Nielsen et al). 1992;123:69-72  
 Grande A (see Alfonso et al). 1992;123:1392-4 (Brief comm.)  
 Grant AO Jr. On the mechanism of action of antiarrhythmic agents. 1992;123:1130-6 (Symposium)



- Grant DA, Maloney JE, Tyberg JY, Walker AM. Effects of external constraint on the fetal left ventricular function curve. 1992;123:1601-9
- Grassi R (see Malatino et al). 1992;123:693-8
- Greenberg MA (see Menegus et al). 1992;123:1260-8
- Greenfield RA (see Harrison et al). 1992;123:1386-8 (Brief comm.)
- Grenadier E, Beyar R, Amikam S, Markiewicz W. Two-vessel PTCA of single anomalous coronary artery. 1992;123:220-2 (Brief comm.)
- Grinstead WC, Young JB. The myocardial renin-angiotensin system: existence, importance, and clinical implications. 1992;123:1039-45 (Prog. cardiol.)
- Gross MD (see Stewart et al). 1992;123:453-61
- Grover-McKay M, Ratib O, Schwaiger M, Wohlgelernter D, Araujo L, Nienaber C, Phelps M, Schelbert HR. Detection of coronary artery disease with positron emission tomography and rubidium 82. 1992;123:646-52
- Grubelich FA, Venditti FJ Jr. Ventricular tachycardia in plasma cell dyscrasia syndrome. 1992;123:800-2 (Brief comm.)
- Guérin F (see Lazarus et al). 1992;123:222-4 (Brief comm.)
- Guinn VL (see Liddell et al). 1992;123:230-2 (Brief comm.)
- Gunter S (see Ross et al). 1992;123:293-9
- Gupta RK (see Kjeldsen et al). 1992;123:1433-8 (Symposium)
- Gupta VK (see Rao et al). 1992;123:191-200 (Prog. cardiol.)
- Gutierrez FR (see Ong et al). 1992;123:1594-600
- Guzzetti S (see Lombardi et al). 1992;123:1521-9
- Gwinn N, Leman R, Kratz J, White JK, Zile MR, Gillette P. Chronotropic incompetence: a common and progressive finding in pacemaker patients. 1992;123:1216-9
- H**
- Hafner K (see Felicetta et al). 1992;123:1022-6
- Halim M (see Abdullah et al). 1992;123:1581-8
- Hamada K (see Hatori et al). 1992;123:1166-74
- Hamsten A (see Perski et al). 1992;123:609-16
- Hannan EL, Bernard HR, Kilburn HC Jr, O'Donnell JF. Gender differences in mortality rates for coronary artery bypass surgery. 1992;123:866-72
- Harasaki H (see Tominaga et al). 1992;123:21-8
- Hare CL (see Simons et al). 1992;123:224-6 (Brief comm.)
- (see Simons et al). 1992;123:1077-9 (Brief comm.)
- Harper RM (see Woo et al). 1992;123:704-10
- Harrison JK, Greenfield RA, Wharton JM. Acute termination of supraventricular tachycardia by adenosine during pregnancy. 1992;123:1386-8 (Brief comm.)
- Hartz AJ (see Johnson et al). 1992;123:603-8
- Hartzler GO (see O'Keefe et al). 1992;123:1-6
- Har-Zahav Y (see Leor et al). 1992;123:784-6 (Brief comm.)
- Hashiba K (see Shimizu et al). 1992;123:814-6 (Brief comm.)
- Hatori N, Uriuda Y, Iozzima K, Isono T, Okuda E, Hamada K, Nakahoshi I, Kurita A, Yoshizu H, Tanaka S. Short-term treatment with synchronized coronary venous retroperfusion before full reperfusion significantly reduces myocardial infarct size. 1992;123:1166-74
- Hattler BG (see Gorcsan et al). 1992;123:171-6
- Hattori R (see Morishita et al). 1992;123:1153-6
- Haudenschild CC (see McKenney et al). 1992;123:1071-5 (Brief comm.)
- Havranek EP, Dunbar DN. Exertional syncope caused by left main coronary artery spasm. 1992;123:792-4 (Brief comm.)
- Hayashi K (see Sunaga et al). 1992;123:1058-60 (Brief comm.)
- Heinonen OP (see Mänttari et al). 1992;123:873-7
- Helfeld H (see Iskandrian et al). 1992;123:768-73 (Prog. cardiol.)
- Heller GV, Ahmed I, Tilkemeier PL, Barbour MM, Garber CE. Influence of exercise intensity on the presence, distribution, and size of thallium-201 defects. 1992;123:909-16
- Hendel RC, Cohn S, Aurigemma G, Whitfield S, Dahlberg S, Pape L, Leppo J. Focal myocardial injury following blunt chest trauma: a comparison of indium-111 antimony scintigraphy with other noninvasive methods. 1992;123:1208-15
- Heo J (see Iskandrian et al). 1992;123:768-73 (Prog. cardiol.)
- (see Lee et al). 1992;123:1569-74
- Hernández E (see Pavlovic et al). 1992;123:249-50 (Brief comm.)
- Hess OM (see Gaglione et al). 1992;123:1487-92
- Heuser RR (see Strumpf et al). 1992;123:1329-36 (Prog. cardiol.)
- Heyndrickx GR (see de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)
- Hicks RJ, Savas V, Currie PJ, Kaif V, Starling M, Bergin P, Kirsch M, Schwaiger M. Assessment of myocardial oxidative metabolism in aortic valve disease using positron emission tomography with C-11 acetate. 1992;123:653-64
- Higgins CB (see Saeed et al). 1992;123:1472-80
- (see Seelos et al). 1992;123:1269-72
- Higuchi I (see Anan et al). 1992;123:1088-9 (Brief comm.)
- Hildebrandt P (see Melchior et al). 1992;123:1086-8 (Brief comm.)
- Hilger HH (see Baer et al). 1992;123:636-45
- Hilleman DE (see Mohiuddin et al). 1992;123:729-32
- Hillis LD (see Brogan et al). 1992;123:948-53
- Hilton T, Castello R, Ohar J, Kong B, Kern M, Labovitz A. Persistent left superior vena cava in Turner's syndrome: a transthoracic echocardiographic study. 1992;123:234-6 (Brief comm.)
- Hinds SW, Reisner SA, Amico AF, Meltzer RS. Diagnosis of pericardial abnormalities by 2D-echo: a pathology-echocardiography correlation in 85 patients. 1992;123:143-50
- Hino H (see Takahashi et al). 1992;123:1709-12 (Brief comm.)
- Hirakawa S (see Tomita et al). 1992;123:1011-22
- Hiramatsu K (see Naka et al). 1992;123:46-53
- Hirata K, Triposkiadis F, Sparks E, Bowen J, Boudoulas H, Wooley CF. The Marfan syndrome: cardiovascular physical findings and diagnostic correlates. 1992;123:743-52 (Curriculum cardiol.)
- Hirayama A (see Nanto et al). 1992;123:28-36
- Hiroki T (see Okabe et al). 1992;123:128-36
- (see Yamanouchi et al). 1992;123:417-20
- Hirooka Y (see Sadoshima et al). 1992;123:1245-51
- Hirsh J. Antithrombotic therapy in deep vein thrombosis and pulmonary embolism. 1992;123:1115-22 (Symposium)
- Ho Y-S (see Kuo et al). 1992;123:1394-7 (Brief comm.)
- Hoang TD (see Lehmann et al). 1992;123:1273-8
- Hoffman PK (see D'Cruz et al). 1992;123:1069-71 (Brief comm.)
- Hohnloser SH, Zabel M, Krause T, Just H. Short- and long-term antiarrhythmic and hemodynamic effects of d,l-sotalol in patients with symptomatic ventricular arrhythmias. 1992;123:1220-4
- , —, Olschewski M, Kasper W, Just H. Arrhythmias during the acute phase of reperfusion therapy for acute myocardial infarction: effects of  $\beta$ -adrenergic blockade. 1992;123:1530-5
- Hollman J (see Tominaga et al). 1992;123:21-8
- Holman M (see D'Cruz et al). 1992;123:1703-6 (Brief comm.)
- Holmes DR Jr (see Barbosa et al). 1992;123:1236-44
- Hood MA, Smith WM. Adenosine versus verapamil in the treatment of supraventricular tachycardia: a randomized double-blind crossover trial. 1992;123:1543-9
- Hori M (see Nanto et al). 1992;123:28-36
- Horio T (see Kohno et al). 1992;123:1382-4 (Brief comm.)
- Horowitz SF (see Martinez et al). 1992;123:427-32
- Hoshino S (see Kuwajima et al). 1992;123:1307-11
- Houston MC. New insights and approaches to reduce end-organ damage in the treatment of hypertension: subsets of hypertension approach. 1992;123:1337-67 (Special report)
- Hsu T-S (see Kuo et al). 1992;123:218-20 (Brief comm.)
- Huang D (see Ates et al). 1992;123:916-21
- Huang Z-h, Long W-y, Xie G-y, Kwan OL, DeMaria AN. Comparison of gray-scale and B-color ultrasound images in evaluating left ventricular systolic function in coronary artery disease. 1992;123:395-402
- Huber GL (see Felicetta et al). 1992;123:1022-6
- Hughes MM, Trohman RG, Simmons TW, Castle LW, Wilkoff BL, Morant VA, Maloney JD. Flecainide therapy in patients treated for supraventricular tachycardia with near normal left ventricular function. 1992;123:408-12
- Hui WKK (see Neiman and Hui). 1992;123:1694-9 (Brief comm.)
- Humes RA (see Ross et al). 1992;123:1293-9
- Hunt SC (see Sharp et al). 1992;123:279-85
- Hurwitz A (see Rosamond et al). 1992;123:403-7
- Hutchins GM (see Livingston et al). 1992;123:528-30 (Brief comm.)
- Huttunen JK (see Mänttari et al). 1992;123:873-7
- I**
- Ichinari K (see Anan et al). 1992;123:1088-9 (Brief comm.)
- Ihlen H, Mølstad P, Simonsen S, Vatne K, Øvrum E, Geiran O, Laake P, Frøyshaker T. Hemodynamic evaluation of the Carbo-medics prosthetic heart valve in the aortic position: comparison of noninvasive and invasive techniques. 1992;123:151-9

- Iida K (see Miyauchi et al). 1992;123:1092-3 (Brief comm.)  
 Ilstrup DM (see Barbosa et al). 1992;123:1236-44  
 Inada M (see Sunaga et al). 1992;123:1058-60 (Brief comm.)  
 Inden M (see Okamoto et al). 1992;123:1439-44  
 Inoue M (see Nanto et al). 1992;123:28-36  
 Iseri LT, Allen BJ, Ginkel ML, Brodsky MA. Ionic biology and ionic medicine in cardiac arrhythmias with particular reference to magnesium. 1992;123:1404-9 (Editorial)  
 Ishahara F (see Naka et al). 1992;123:46-53  
 Ishikura F (see Akaike et al). 1992;123:984-9  
 Iskandrian AS, Helfeld H, Lemlek J, Lee J, Iskandrian B, Heo J. Differentiation between primary dilated cardiomyopathy and ischemic cardiomyopathy based on right ventricular performance. 1992;123:768-73 (Prog. cardi.)  
 — (see Lee et al). 1992;123:1569-74  
 Iskandrian B (see Iskandrian et al). 1992;123:768-73 (Prog. cardi.)  
 — (see Lee et al). 1992;123:1569-74  
 Isono T (see Hatori et al). 1992;123:1166-74  
 Isozima K (see Hatori et al). 1992;123:1166-74  
 Ito Y (see Ando et al). 1992;123:111-6  
 Iwasaka T (see Sunaga et al). 1992;123:1058-60 (Brief comm.)  
 Iyer KS (see Saxena et al). 1992;123:1706-7 (Brief comm.)
- J**
- Jackson EK (see Norton et al). 1992;123:332-8  
 Jackson SA (see Alvarez et al). 1992;123:1500-10  
 Jacobs AK (see Faxon et al). 1992;123:854-9  
 Jafri S (see Sabbah et al). 1992;123:961-6  
 Jain A, Myers GH, Sapin PM. Angiographic demonstration of spontaneous variation in coronary artery collateral blood flow: a mechanism for post-infarction angina. 1992;123:1060-2 (Brief comm.)  
 —, Ramee SR, Culpepper WR, Mesa JE, Murgo JP, White CJ. Intravascular ultrasound-assisted percutaneous angioplasty of aortic coarctation. 1992;123:514-5 (Brief comm.)  
 Jain S (see Varma et al). 1992;123:1055-7 (Brief comm.)  
 Jaker MA (see Quadrel et al). 1992;123:1377-9 (Brief comm.)  
 James TN. Toxic oil syndrome. 1992;123:1723 (Letter reply)  
 — (see Terasaki et al). 1992;123:439-52  
 Jamieson MP (see Northridge et al). 1992;123:698-703  
 Janosik DL, Genovely H, Fredman C, Bierregaard P. Discrepancy between head-up tilt test results utilizing different protocols in the same patient. 1992;123:538-41 (Brief comm.)  
 Jardine AG (see Northridge et al). 1992;123:698-703  
 Jessup M (see Katz et al). 1992;123:95-103  
 Johnson WD, Kayser KL, Hartz AJ, Saedi SF. Aspirin use and survival after coronary bypass surgery. 1992;123:603-8  
 Johnson WL Jr (see O'Keefe et al). 1992;123:1-6  
 Johnstone J (see Liddell et al). 1992;123:543-7 (Brief comm.)  
 Joho K (see Aizawa et al). 1992;123:257-60 (Brief comm.)  
 Julius S (see Kjeldsen et al). 1992;123:1433-8 (Symposium)  
 Jungehülsing M (see Baer et al). 1992;123:636-45  
 Just H (see Hohnloser et al). 1992;123:1220-4  
 — (see Hohnloser et al). 1992;123:1530-5
- K**
- Kadakis S (see Ghali et al). 1992;123:993-7  
 Kai H (see Yamamoto et al). 1992;123:298-303  
 Kale PA (see D'Silva et al). 1992;123:1390-2 (Brief comm.)  
 Kalfi V (see Hicks et al). 1992;123:653-64  
 Kalra J (see Prasad et al). 1992;123:37-45  
 Kaltenbrunner W (see Kus et al). 1992;123:82-9  
 Kamada T (see Nanto et al). 1992;123:28-36  
 Kambara H (see Mohiuddin et al). 1992;123:386-94  
 Kambic HE (see Tominaga et al). 1992;123:21-8  
 Kamlakar T (see Vasan et al). 1992;123:1575-80  
 Kanemaru A (see Kuwajima et al). 1992;123:1307-11  
 Kannel WB, Wolf PA. Pulling it all together: changing the cardiovascular outlook. 1992;123:264-7 (Editorial)  
 Kaplinsky E (see Behar et al). 1992;123:1481-6  
 Karakawa M (see Sunaga et al). 1992;123:1058-60 (Brief comm.)  
 Karalis DG (see Davis et al). 1992;123:534-6 (Brief comm.)  
 Karolle BL (see Lim et al). 1992;123:1456-63  
 Kaski JC (see Burton et al). 1992;123:53-8  
 — (see Tousoulis et al). 1992;123:15-20  
 Kasparian H (see McGarry et al). 1992;123:1445-51  
 Kasper W (see Hohnloser et al). 1992;123:1530-5  
 Kass RW, Kotler MN, Yazdanfar S. Stimulation of coronary collateral growth: current developments in angiogenesis and future clinical applications. 1992;123:486-96 (Curriculum cardi.)  
 Kataoka H (see Tamura et al). 1992;123:1198-1201  
 Katz SD, Kubo SH, Jessup M, Brozena S, Troha JM, Wahl J, Cohn JN, Sonnenblick EH, LeJemtel TH. A multicenter, randomized, double-blind, placebo-controlled trial of pimobendan, a new cardiotonic and vasodilator agent, in patients with severe congestive heart failure. 1992;123:95-103  
 Katz SE (see Schwartz et al). 1992;123:665-74  
 Kaul U (see Vasan et al). 1992;123:1575-80  
 Kaul UA (see Tyagi et al). 1992;123:674-80  
 Kauli N (see Behar et al). 1992;123:1481-6  
 Kawai C (see Mohiuddin et al). 1992;123:386-94  
 — (see Morishita et al). 1992;123:1153-6  
 Kawamura K (see Terasaki et al). 1992;123:439-52  
 Kawazoe K (see Shimamoto et al). 1992;123:1229-36  
 Kay RH (see Rubin et al). 1992;123:1082-4 (Brief comm.)  
 Kayser KL (see Johnson et al). 1992;123:603-8  
 Keegan J (see Mulcahy et al). 1992;123:597-603  
 — (see Parameshwar et al). 1992;123:421-6  
 Keirns C (see Vargas-Barron et al). 1992;123:1707-9 (Brief comm.)  
 — (see Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)  
 Keith FM (see Smith et al). 1992;123:73-81  
 Kellett MA Jr (see Faxon et al). 1992;123:854-9  
 Kemennu L, Riggs TW. Tissue plasminogen activator lysis of a right ventricular thrombus. 1992;123:1057-8 (Brief comm.)  
 Kendall S (see Mamprin et al). 1992;123:1725-6 (Letter)  
 Kennedy HL. Importance of the standard electrocardiogram in ambulatory (Holter) electrocardiography. 1992;123:1660-77 (Prog. cardi.)  
 — (see Shandling et al). 1992;123:310-6  
 Kent KM (see Keren et al). 1992;123:200-8 (Prog. cardi.)  
 — (see Mintz et al). 1992;123:1692-4 (Brief comm.)  
 Kereiakes DJ, Gibler WB, Martin LH, Pieper KS, Anderson LC, Cincinnati Heart Project Study Group. Relative importance of emergency medical system transport and the prehospital electrocardiogram on reducing hospital time delay to therapy for acute myocardial infarction: a preliminary report from the Cincinnati Heart Project. 1992;123:835-40  
 — (see Kowalenko et al). 1992;123:181-90 (Curriculum cardi.)  
 Keren A (see Brand et al). 1992;123:177-80  
 Keren G, Pichard AD, Kent KM, Satter LF, Leon MB. Failure or success of complex catheter-based interventional procedures assessed by intravascular ultrasound. 1992;123:200-8 (Prog. cardi.)  
 Kern MJ, Aguirre F. Coronary blood flow alternans: a unique examination of coronary physiology and influence of intra-aortic balloon pumping. 1992;123:1369-73 (Brief comm.)  
 —, Roth RA, Aguirre FV, Beauman G, Vogel R. Effect of viscosity and iodine concentration of nonionic radiographic contrast media on coronary arteriography in patients. 1992;123:160-5  
 — (see Donohue et al). 1992;123:1374-7 (Brief comm.)  
 — (see Hilton et al). 1992;123:234-6 (Brief comm.)  
 — (see Sharma et al). 1992;123:810-4 (Brief comm.)  
 — (see Tatineni et al). 1992;123:617-20  
 — (see Tatineni et al). 1992;123:621-7  
 Kershenovich S, Modiano M, Ewy GA. Markedly decreased coronary blood flow in secondary polycythemia. 1992;123:521-3 (Brief comm.)  
 Khalilullah M (see Tyagi et al). 1992;123:674-80  
 Khoury D (see Maloney et al). 1992;123:1561-8  
 Kihara K (see Koga et al). 1992;123:433-8  
 Kikuchi M (see Okabe et al). 1992;123:128-36  
 Kikuchi Y (see Yamamoto et al). 1992;123:298-303  
 Kilburn HC Jr (see Hannan et al). 1992;123:866-72  
 Kimball BP, Bui S, Ling A, Dafoopoulos N. Residual coronary stenoses and calculated transstenotic gradients after intravenous streptokinase versus tissue plasminogen activator. 1992;123:7-14  
 Kimura K (see Akaike et al). 1992;123:984-9  
 King ME (see Rodriguez et al). 1992;123:1678-82 (Brief comm.)  
 King SB III (see Anderson and King). 1992;123:1312-23 (Curriculum cardi.)  
 Kirsch M (see Hicks et al). 1992;123:653-64  
 Kisanuki A (see Anan et al). 1992;123:1088-9 (Brief comm.)  
 Kishi Y, Ashikaga T, Numano F. Inhibition of platelet aggregation by prostacyclin is attenuated after exercise in patients with angina pectoris. 1992;123:291-7  
 Kishon Y (see Behar et al). 1992;123:1481-6

- Kitaura Y (see Terasaki et al). 1992;123:439-52  
Kito H (see Shimamoto et al). 1992;123:1229-36  
Kito Y (see Shimamoto et al). 1992;123:1229-36  
Kittrell C (see Verbunt et al). 1992;123:208-16 (Prog. cardi.)  
Kjeldsen SE, Gupta RK, Krause L, Weder AB, Julius S. Does blood pressure reduction necessarily compromise cardiac function or renal hemodynamics? Effects of the angiotensin-converting enzyme inhibitor quinapril. 1992;123:1433-8 (Symposium)  
Klausen IC (see Nielsen et al). 1992;123:69-72  
Kleiger RE (see Schechtman et al). 1992;123:1175-81  
Klein AA (see Seifert et al). 1992;123:239-42 (Brief comm.)  
Klein LW (see Liebson and Klein). 1992;123:1643-60 (Prog. cardi.)  
Kloner RA (see Li et al). 1992;123:346-53  
— (see Przyklenk et al). 1992;123:575-88  
Klów N-E (see Mortensen et al). 1992;123:970-7  
Kochsiek K (see Gaudron et al). 1992;123:377-85  
Kodama K (see Nanto et al). 1992;123:28-36  
Koen R (see Forette et al). 1992;123:1426-32 (Symposium)  
Koga Y, Kihara K, Yamaguchi R, Wada T, Toshima H. Therapeutic effect of oral dipyrindamole on myocardial perfusion and cardiac performance in patients with hypertrophic cardiomyopathy. 1992;123:433-8  
Koh KK. Various 12-lead electrocardiographic findings of diffuse three-vessel coronary artery spasm. 1992;123:1187-91  
Kohli A (see D'Silva et al). 1992;123:1390-2 (Brief comm.)  
Kohn M, Horio T, Toda I, Akioka K, Tahara A, Teragaki M, Takeuchi K, Kurihara N, Takeda T. Cosecretion of atrial and brain natriuretic peptides during supraventricular tachyarrhythmias. 1992;123:1382-4 (Brief comm.)  
Koide T (see Takahashi et al). 1992;123:1709-12 (Brief comm.)  
Kong B (see Hilton et al). 1992;123:234-6 (Brief comm.)  
— (see Stratmann et al). 1992;123:317-23  
Konishi J (see Mohiuddin et al). 1992;123:386-94  
Konishi T (see Okamoto et al). 1992;123:1439-44  
Kono T (see Sabbah et al). 1992;123:961-6  
Konstant MA (see Schwartz et al). 1992;123:665-74  
Kosakai Y (see Shimamoto et al). 1992;123:1229-36  
Koskinen P (see Mänttari et al). 1992;123:873-7  
Kosman Z (see Smith et al). 1992;123:1516-21  
Kostis JB, Rosen RC, Brondolo E, Taska L, Smith DE, Wilson AC. Superiority of nonpharmacologic therapy compared to propranolol and placebo in men with mild hypertension: a randomized, prospective trial. 1992;123:466-74  
Kotler MN (see Kass et al). 1992;123:486-96 (Curriculum cardi.)  
— (see Ledley et al). 1992;123:518-21 (Brief comm.)  
Kowalenko T, Kereiakes DJ, Gibler WB. Prehospital diagnosis and treatment of acute myocardial infarction: a critical review. 1992;123:181-90 (Curriculum cardi.)  
Kowey PR, Taylor JE, Marinchak RA, Rials SJ. Does programmed stimulation really help in the evaluation of patients with non-sustained ventricular tachycardia? Results of a meta-analysis. 1992;123:481-5 (Curriculum cardi.)  
Koyanagi S (see Sadoshima et al). 1992;123:1245-51  
Framer JR (see Verbunt et al). 1992;123:208-16 (Prog. cardi.)  
Kratz J (see Gwinn et al). 1992;123:1216-9  
Krause L (see Kjeldsen et al). 1992;123:1433-8 (Symposium)  
Krause T (see Hohnloser et al). 1992;123:1220-4  
Krayenbuehl HP (see Gaglione et al). 1992;123:1487-92  
Kreulen TH (see McGarry et al). 1992;123:1445-51  
Kreuzer H (see Buchwald et al). 1992;123:878-85  
Krol RB (see Mehta et al). 1992;123:1079-82 (Brief comm.)  
Kronzon I (see Dorsa et al). 1992;123:1398-1400 (Brief comm.)  
Kubo SH (see Katz et al). 1992;123:95-103  
Kubota K (see Anan et al). 1992;123:1088-9 (Brief comm.)  
Kuikka J (see Mustonen et al). 1992;123:804-5 (Brief comm.)  
Kumagai K (see Yamanouchi et al). 1992;123:417-20  
Kumamoto KS (see Lehmann et al). 1992;123:1273-8  
Kumar A (see Sunder et al). 1992;123:790-2 (Brief comm.)  
Kumar EB, Soomro RS, Al Hamdani A, El Shimy N. Scorpion venom cardiomyopathy. 1992;123:725-9  
Kumar R (see Schwartz et al). 1992;123:665-74  
Kuntz D (see Puéchal et al). 1992;123:262-3 (Brief comm.)  
Kuo C-S (see Fujimura et al). 1992;123:251-2 (Brief comm.)  
Kuo C-T, Chiang C-W, Fang B-R, Lee C-P, Hsu T-S, Lee Y-S, Chang C-H. Coronary artery fistula: diagnosis by transesophageal two-dimensional and Doppler echocardiography. 1992;123:218-20 (Brief comm.)  
—, —, Lee Y-S, Ho Y-S, Chang C-H. Left atrial ball thrombus in nonrheumatic atrial fibrillation diagnosed by transesophageal echocardiography. 1992;123:1394-7 (Brief comm.)  
— (see Cherng et al). 1992;123:841-6  
Kupersmith J (see Liddell et al). 1992;123:230-2 (Brief comm.)  
— (see Liddell et al). 1992;123:543-7 (Brief comm.)  
— (see Stoddard et al). 1992;123:1005-10  
Kuramoto K (see Kuwajima et al). 1992;123:1307-11  
Kurihara N (see Kohno et al). 1992;123:1382-4 (Brief comm.)  
Kurita A, Takase B, Uehata A, Sugahara H, Nishioka T, Maruyama T, Satomura K, Mizuno K, Nakamura H. Differences in plasma  $\beta$ -endorphin and bradykinin levels between patients with painless or with painful myocardial ischemia. 1992;123:304-9  
— (see Hatori et al). 1992;123:1166-74  
Kus T, Campa MA, Nadeau R, Dubuc M, Kaltenbrunner W, Shenasa M. Efficacy and electrophysiologic effects of oral sotalol in patients with sustained ventricular tachycardia caused by coronary artery disease. 1992;123:82-9  
Kusano Y (see Aizawa et al). 1992;123:257-60 (Brief comm.)  
Kusay BS (see Schwartz et al). 1992;123:665-74  
Kuwajima I, Suzuki Y, Shimomura T, Kanemaru A, Hoshino S, Kuramoto K. Diminished nocturnal decline in blood pressure in elderly hypertensive patients with left ventricular hypertrophy. 1992;123:1307-11  
Kwan OL (see Huang et al). 1992;123:395-402  
— (see Smith et al). 1992;123:953-60
- L**
- Laake P (see Ihlen et al). 1992;123:151-9  
Labovitz A (see Hilton et al). 1992;123:234-6 (Brief comm.)  
— (see Sharma et al). 1992;123:810-4 (Brief comm.)  
Lachurie ML (see Le Feuvre et al). 1992;123:860-5  
Laks MM (see Ginzton et al). 1992;123:628-35  
Landou C (see Perski et al). 1992;123:609-16  
Lange F (see Tomaru et al). 1992;123:886-95  
— (see Tomaru et al). 1992;123:896-904  
Lange RA (see Brogan et al). 1992;123:948-53  
Langer A. Anginal perception in diabetes. 1992;123:1721-2 (Letter)  
Langhorne H, Phillips JH. Junctional rhythm and atrial contraction: a mechanism for systolic sound. 1992;123:1699-701 (Brief comm.)  
Lämsimies E (see Mustonen et al). 1992;123:804-5 (Brief comm.)  
Lanza GA (see Rebuzzi et al). 1992;123:560-6  
Large S (see Mamprin et al). 1992;123:1725-6 (Letter)  
La Rovere MT (see Lombardi et al). 1992;123:1521-9  
Larsson H (see Nyman et al). 1992;123:324-31  
Lau C-P, Fong P-C, Tai Y-T, Li J-P-S, Chui CC-Y. Postpericardiotomy syndrome complicating transvenous dual-chamber rate-adaptive pacing: diagnosis aided by transesophageal echocardiography. 1992;123:1388-90 (Brief comm.)  
Lau FYK (see Ruiz et al). 1992;123:942-7  
Lau KW, Sigwart U. Novel coronary interventional devices: an update. 1992;123:497-506 (Prog. cardi.)  
Lau YR, Gillette PC, Wienecke MM, Case CL. Successful radiofrequency catheter ablation of an atrial ectopic tachycardia in an adolescent. 1992;123:1384-6 (Brief comm.)  
Lazarus A, Donzeau-Gouge P, Spaulding C, Weber S, Guérin F. Surgical treatment of an atherosclerotic aneurysm of the left main coronary artery. 1992;123:222-4 (Brief comm.)  
Le SP, Chatterjee K, Wolfe CL. Adult respiratory distress syndrome following thrombolytic therapy with APSAC for acute myocardial infarction. 1992;123:1368-9 (Brief comm.)  
Ledley GS, Yazdanfar S, Friedman O, Kotler MN. Acute thrombotic coronary occlusion secondary to chest trauma treated with intracoronary thrombolysis. 1992;123:518-21 (Brief comm.)  
Lee C-P (see Cherng et al). 1992;123:841-6  
— (see Kuo et al). 1992;123:218-20 (Brief comm.)  
Lee J, Heo J, Ogilby JD, Cave V, Iskandrian B, Iskandrian AS. Atrioventricular block during adenosine thallium imaging. 1992;123:1569-74  
— (see Iskandrian et al). 1992;123:768-73 (Prog. cardi.)  
Lee Y-S (see Cherng et al). 1992;123:841-6  
— (see Kuo et al). 1992;123:218-20 (Brief comm.)  
— (see Kuo et al). 1992;123:1394-7 (Brief comm.)  
Lefer AM (see Tsao et al). 1992;123:1464-71



- Le Feuvre C, Metzger JP, Lachurie ML, Georges JL, Baubion N, Vacheron A. Treatment of severe mitral regurgitation caused by ischemic papillary muscle dysfunction: indications for coronary angioplasty. 1992;123:860-5
- Lehmann KG, Yang JC, Doria RJ, Kumamoto KS, Feuer JM, Olson HG, Hoang TD, Zeldow WC. Catheter optimization during contrast ventriculography: a prospective randomized trial. 1992;123:1273-8
- LeJemtel TH (see Katz et al). 1992;123:95-103
- Leman R (see Gwinn et al). 1992;123:1216-9
- Lemlek J (see Iskandrian et al). 1992;123:768-73 (Prog. cardiol.)
- Leon MB (see Keren et al). 1992;123:200-8 (Prog. cardiol.)
- (see Mintz et al). 1992;123:1692-4 (Brief comm.)
- Leonardi C (see Malatino et al). 1992;123:693-8
- Leor J, Battler A, Har-Zahav Y, Behar S, Rath S. Iatrogenic coronary arteriovenous fistula following percutaneous coronary angioplasty. 1992;123:784-6 (Brief comm.)
- Leppo J (see Hendel et al). 1992;123:1208-15
- Lester RM (see McGarry et al). 1992;123:1445-51
- Leung JM (see Smith et al). 1992;123:73-81
- Levy JM (see Rao et al). 1992;123:191-200 (Prog. cardiol.)
- Lewis AB. Clinical profile and outcome of restrictive cardiomyopathy in children. 1992;123:1589-93
- Lewis JW Jr (see Alam et al). 1992;123:226-8 (Brief comm.)
- Li JP-S (see Lau et al). 1992;123:1388-90 (Brief comm.)
- Li Y, Whittaker P, Kloner RA. The transient nature of the effect of ischemic preconditioning on myocardial infarct size and ventricular arrhythmia. 1992;123:346-53
- Li Z-A (see Wang et al). 1992;123:1027-38 (Curriculum cardiol.)
- Liao Y (see Ghali et al). 1992;123:993-7
- Lichstein E (see Feld et al). 1992;123:782-4 (Brief comm.)
- Liddell NE, Stoddard MF, Prince C, Johnstone J, Perkins D, Kupersmith J. Transesophageal echocardiographic diagnosis of complex false aneurysm with aorto-left atrial communication complicating aortic valve and root replacement. 1992;123:543-7 (Brief comm.)
- , —, Talley JD, Guinn VL, Kupersmith J. Transesophageal echocardiographic diagnosis of isolated tricuspid valve prolapse with severe tricuspid regurgitation. 1992;123:230-2 (Brief comm.)
- Liebson PR, Klein LW. Intravascular ultrasound in coronary atherosclerosis: a new approach to clinical assessment. 1992;123:1643-60 (Prog. cardiol.)
- Lighty GW Jr (see Simons et al). 1992;123:1077-9 (Brief comm.)
- Ligon RW (see O'Keefe et al). 1992;123:1-6
- Lim MJ, Karolle BL, Wood JC, Buda AJ. Ischemic expansion during acute myocardial infarction and reversal by coronary reperfusion. 1992;123:1456-63
- Limas C (see Limas et al). 1992;123:967-70
- Limas CJ, Goldenberg IF, Limas C. Assessment of immune modulation of  $\beta$ -adrenergic pathways in human dilated cardiomyopathy: influence of methodologic factors. 1992;123:967-70
- Ling A (see Kimball et al). 1992;123:7-14
- Liote F (see Puéchal et al). 1992;123:262-3 (Brief comm.)
- Lipsius M (see Mehta et al). 1992;123:1079-82 (Brief comm.)
- Liu K, Cuddy TE, Pierce GN. Oxidative status of lipoproteins in coronary disease patients. 1992;123:285-90
- Livingston JZ, Casale AS, Hutchins GM, Shapiro EP. Coronary involvement in Cogan's syndrome. 1992;123:528-30 (Brief comm.)
- Liesuy S (see Milei et al). 1992;123:339-45
- Loh J (see Ellestad et al). 1992;123:904-8
- Lombardi F, Sandrone G, Mortara A, La Rovere MT, Colombo E, Guzzetti S, Malliani A. Circadian variation of spectral indices of heart rate variability after myocardial infarction. 1992;123:1521-9
- Long W-y (see Huang et al). 1992;123:395-402
- Low RI (see Fellmeth et al). 1992;123:547-51 (Brief comm.)
- Loya YS (see Bhagwat et al). 1992;123:1397-8 (Brief comm.)
- (see Sharma et al). 1992;123:515-8 (Brief comm.)
- Lüderitz B (see Tebbenjohanns et al). 1992;123:1090-1 (Brief comm.)
- Ludomirsky A (see Geva et al). 1992;123:260-2 (Brief comm.)
- Luzzza F (see Oretto et al). 1992;123:798-9 (Brief comm.)
- (see Ruiz et al). 1992;123:942-7
- MacFarlane N (see Northridge et al). 1992;123:698-703
- Magid MS (see Seifert et al). 1992;123:239-42 (Brief comm.)
- Maioli M (see Marchionni et al). 1992;123:977-83
- Makuc DM (see Gillum and Makuc). 1992;123:507-13 (Prog. cardiol.)
- Malatino LS, Leonardi C, Stancanelli B, Polizzi G, Grassi R, Tamburino C, Tamburino G. Transient myocardial ischemia stimulates atrial natriuretic factor release. 1992;123:693-8
- Malliani A (see Lombardi et al). 1992;123:1521-9
- Maloney JD, Khoury D, Simmons T, Wilkoff B, Morant V, Trohman R, Castle L. Effect of atrioventricular synchrony on stroke volume during ventricular tachycardia in man. 1992;123:1561-8
- (see Hughes et al). 1992;123:408-12
- Maloney JE (see Grant et al). 1992;123:1601-9
- Mamprin F, Mullins P, Graham T, Kendall S, Biocine B, Large S, Wallwork J, Schofield P. Amiodarone-cyclosporine interaction in cardiac transplantation. 1992;123:1725-6 (Letter)
- Mangano DT (see Smith et al). 1992;123:73-81
- Mangiarotti E (see Castini et al). 1992;123:1299-1306
- Maniet AR (see Banka et al). 1992;123:1725 (Letter reply)
- Manninen V (see Mänttari et al). 1992;123:873-7
- Mänttari M, Manninen V, Koskinen P, Huttunen JK, Oksanen E, Tenkanen L, Heinonen OP, Frick MH. Leukocytes as a coronary risk factor in a dyslipidemic male population. 1992;123:873-7
- Mäntysaari M (see Mustonen et al). 1992;123:804-5 (Brief comm.)
- Marchant B. Lovastatin on restenosis. 1992;123:1724-5 (Letter)
- Marchionni N, Fantini F, Maioli M, Burgisser C, Barletta G, Di Donato M. Synergistic action of postextrasystolic potentiation and diltiazem on left ventricular wall motion abnormalities in coronary heart disease. 1992;123:977-83
- Marin MM, Teichman SL. Use of rapid serial sampling of creatine kinase MB for very early detection of myocardial infarction in patients with acute chest pain. 1992;123:354-61
- Marinchak RA (see Kowey et al). 1992;123:481-5 (Curriculum cardiol.)
- Marino B, Bevilacqua M. Double-outlet left ventricle: two-dimensional echocardiographic diagnosis. 1992;123:1075-7 (Brief comm.)
- Marino P, Destro G, Barbieri E, Bicego D. Reperfusion of the infarct-related coronary artery limits left ventricular expansion beyond myocardial salvage. 1992;123:1157-65
- Markiewicz W (see Grenadier et al). 1992;123:220-2 (Brief comm.)
- Marrazzo G (see Paolillo et al). 1992;123:103-10
- Marti V, Subirana MT, Ballester M, Obrador D, Augé JM, Fontcuberta J, Caralps-Riera JM. Successful thrombolytic therapy for prosthetic pulmonary valve thrombosis evaluated by Doppler echocardiography. 1992;123:1065-7 (Brief comm.)
- Martin LH (see Kereiakes et al). 1992;123:835-40
- Martinez EE, Horowitz SF, Castello HJ, Castiglioni MLV, Carvalho ACC, Almeida DR, Roberti RR, Saragoga MA, Barbieri A. Lung and myocardial thallium-201 kinetics in resting patients with congestive heart failure: correlation with pulmonary capillary wedge pressure. 1992;123:427-32
- Martinez-Hernandez A (see Smith et al). 1992;123:1516-21
- Maruyama T (see Kurita et al). 1992;123:304-9
- Masaki T (see Miyauchi et al). 1992;123:1092-3 (Brief comm.)
- Maseri A (see Burton et al). 1992;123:53-8
- (see Tousoulis et al). 1992;123:15-20
- Massa E (see Gentili et al). 1992;123:1225-8
- Masuda H (see Tomita et al). 1992;123:1011-22
- Masui T (see Saeed et al). 1992;123:1472-80
- Mathey DG (see Schofer et al). 1992;123:846-53
- Mathur A (see Saxena et al). 1992;123:1706-7 (Brief comm.)
- Matsumura N (see Sato et al). 1992;123:1510-5
- Matsuo K (see Shimizu et al). 1992;123:814-6 (Brief comm.)
- Matthews RV (see Eisenhauer et al). 1992;123:553-9
- Maurer G (see Coy et al). 1992;123:1684-6 (Brief comm.)
- Mautner B (see Milei et al). 1992;123:1732-5 (Editorial)
- McAllister A (see Rubin et al). 1992;123:1082-4 (Brief comm.)
- McBride PE, Plane MB, Underbakke G. Hypercholesterolemia: the current educational needs of physicians. 1992;123:817-24 (Editorial)
- McCallister BD (see O'Keefe et al). 1992;123:1-6
- McConahay DR (see O'Keefe et al). 1992;123:1-6
- McFadden E (see Tousoulis et al). 1992;123:15-20
- McGarry TF Jr, Gottlieb RS, Morganroth J, Zelenkofske SL, Kasparian H, Duca PR, Lester RM, Kreulen TH. The relationship of anticoagulation level and complications after successful percutaneous transluminal coronary angioplasty. 1992;123:1445-51

- McKenney PA, Moroz K, Haudenschild CC, Shemin RJ, Davidoff R. Malignant mesenchymoma as a primary cardiac tumor. 1992;123:1071-5 (Brief comm.)
- , Shemin RJ, Wieggers SE. Role of transesophageal echocardiography in sinus of Valsalva aneurysm. 1992;123:228-9 (Brief comm.)
- McLennan PL, Bridle TM, Abeywardena MY, Charnock JS. Dietary lipid modulation of ventricular fibrillation threshold in the marmoset monkey. 1992;123:1555-61
- Medina A (see Pavlovic et al). 1992;123:249-50 (Brief comm.)
- Mehta D, Lipsius M, Suri RS, Krol RB, Saksena S. Twiddler's syndrome with the implantable cardioverter-defibrillator. 1992;123:1079-82 (Brief comm.)
- Mehta SS (see Strumpf et al). 1992;123:1329-36 (Prog. cardi.)
- Meier B (see Delonca et al). 1992;123:1201-7
- (see Pande et al). 1992;123:1182-6
- Melchior TM, Ringsdal V, Hildebrandt P, Torp-Pedersen C. Recurrent acute idiopathic pericarditis treated with intravenous methylprednisolone given as pulse therapy. 1992;123:1086-8 (Brief comm.)
- Melian F (see Pavlovic et al). 1992;123:249-50 (Brief comm.)
- Meltzer RS (see Hinds et al). 1992;123:143-50
- Mendelson DM (see Rubin et al). 1992;123:1082-4 (Brief comm.)
- Menegus MA, Greenberg MA, Spindola-Franco H, Fayemi A. Magnetic resonance imaging of suspected atrial tumors. 1992;123:1260-8
- Menozi C (see Brignole et al). 1992;123:687-92
- Mercer E (see Fawzy et al). 1992;123:462-5
- Merrick S (see Smith et al). 1992;123:73-81
- Mesa JE (see Jain et al). 1992;123:514-5 (Brief comm.)
- Messerli FH (see Schmieder and Messerli). 1992;123:89-95
- Metzger JP (see Le Feuvre et al). 1992;123:860-5
- Middlekauff HR, Stevenson WG, Tillich JH. Prevention of sudden death in survivors of myocardial infarction: a decision analysis approach. 1992;123:475-80 (Curriculum cardi.)
- Mikhail N (see Cappell et al). 1992;123:1728-30 (Letter)
- Mikuriya Y (see Tamura et al). 1992;123:1198-1201
- Milei J, Ferreira R, Llesuy S, Forcada P, Covarrubias J, Boveris A. Reduction of reperfusion injury with preoperative rapid intravenous infusion of taurine during myocardial revascularization. 1992;123:339-45
- , Mautner B, Storino R, Sanchez JA, Ferrans VJ. Does Chagas' disease exist as an undiagnosed form of cardiomyopathy in the United States? 1992;123:1732-5 (Editorial)
- Miller L (see Donohue et al). 1992;123:1374-7 (Brief comm.)
- Mintz GS, Potkin BN, Cooke RH, Stark KS, Kent KM, Satler LF, Pichard AD, Leon MB. Intravascular ultrasound imaging in a patient with unstable angina. 1992;123:1692-4 (Brief comm.)
- (see Davis et al). 1992;123:534-6 (Brief comm.)
- Mishima M (see Nanto et al). 1992;123:28-36
- Miwa K (see Araie et al). 1992;123:1452-5
- Miwa Y (see Tomita et al). 1992;123:1011-22
- Miyatake K (see Akaie et al). 1992;123:984-9
- Miyauchi T, Yanagisawa M, Iida K, Ajioka R, Suzuki N, Fujino M, Goto K, Masaki T, Sugishita Y. Age- and sex-related variation of plasma endothelin-1 concentration in normal and hypertensive subjects. 1992;123:1092-3 (Brief comm.)
- Mizuno K (see Kurita et al). 1992;123:304-9
- Modiano M (see Kershenovitch et al). 1992;123:521-3 (Brief comm.)
- Mohanty PK (see Om et al). 1992;123:532-4 (Brief comm.)
- Mohiuddin IH, Kambara H, Ohkusa T, Nohara R, Fudo T, Ono S, Tamaki N, Ohtani H, Yonekura Y, Kawai C, Konishi J. Clinical evaluation of cardiac function by ambulatory ventricular scintigraphic monitoring (VEST): validation and study of the effects of nitroglycerin and nifedipine in patients with and without coronary artery disease. 1992;123:386-94
- Mohiuddin SM, Hilleman DE, Destache CJ, Stoylich AM, Gannon JM, Sketch MH Sr. Efficacy and safety of early versus late initiation of warfarin during heparin therapy in acute thromboembolism. 1992;123:729-32
- Mølstad P (see Ihlen et al). 1992;123:151-9
- Momose A (see Naka et al). 1992;123:46-53
- Monterroso VH (see Rodriguez et al). 1992;123:1678-82 (Brief comm.)
- Moore L (see Eisenhauer et al). 1992;123:553-9
- Morant VA (see Hughes et al). 1992;123:408-12
- (see Maloney et al). 1992;123:1561-8
- Morganroth J. Proarrhythmic effects of antiarrhythmic drugs: evolving concepts. 1992;123:1137-9 (Symposium)
- (see McGarry et al). 1992;123:1445-51
- Morgera T (see Pinamonti et al). 1992;123:711-24
- Morishita H, Hattori R, Aoyama T, Kawai C, Yui Y. The intracoronary administration of urokinase following direct PTCA for acute myocardial infarction reduces early restenosis. 1992;123:1153-6
- Moroz K (see McKenney et al). 1992;123:1071-5 (Brief comm.)
- Morrison SL (see Fellmeth et al). 1992;123:547-51 (Brief comm.)
- Mortara A (see Lombardi et al). 1992;123:1521-9
- Mortensen E, Tande PM, Kløw N-E, Refsum H. Hemodynamic effects of *d*-sotalol in acute ischemic heart failure in dogs. 1992;123:970-7
- Moser DK, Stevenson WG, Woo MA. Optimal late potential criteria for reducing false positive signal-averaged electrocardiograms. 1992;123:412-6
- (see Woo et al). 1992;123:704-10
- Motro M (see Shechter et al). 1992;123:232-4 (Brief comm.)
- Mulcahy D, Keegan J, Phadke K, Wright C, Sparrow J, Purcell H, Fox K. Effects of coronary artery bypass surgery and angioplasty on the total ischemic burden: a study of exercise testing and ambulatory ST segment monitoring. 1992;123:597-603
- Mullins P (see Mamprin et al). 1992;123:1725-6 (Letter)
- Murao S (see Takahashi et al). 1992;123:1709-12 (Brief comm.)
- Murgo JP (see Jain et al). 1992;123:514-5 (Brief comm.)
- Murphy ES (see de Feyter et al). 1992;123:1633-42 (Curriculum cardi.)
- Mustonen J, Mäntysaari M, Kuikka J, Vanninen E, Vainio P, Länsmies E, Uusitupa M. Decreased myocardial <sup>123</sup>I-metaiodobenzylguanidine uptake is associated with disturbed left ventricular diastolic filling in diabetes. 1992;123:804-5 (Brief comm.)
- Muthusamy R (see Fawzy et al). 1992;123:462-5
- Myers GH (see Jain et al). 1992;123:1060-2 (Brief comm.)
- N**
- Nadeau R (see Kus et al). 1992;123:82-9
- Nagata S (see Akaie et al). 1992;123:984-9
- Nagler A (see Schechter and Nagler). 1992;123:1736-9 (Editorial)
- Naitoh N (see Aizawa et al). 1992;123:257-60 (Brief comm.)
- Naka M, Hiramatsu K, Aizawa T, Momose A, Yoshizawa K, Shigematsu S, Ishahara F, Niwa A, Yamada T. Silent myocardial ischemia in patients with non-insulin-dependent diabetes mellitus as judged by treadmill exercise testing and coronary angiography. 1992;123:46-53
- Nakahoshi I (see Hatori et al). 1992;123:1166-74
- Nakajima H (see Araie et al). 1992;123:1452-5
- Nakamura H (see Kurita et al). 1992;123:304-9
- Nakamura N (see Takahashi et al). 1992;123:1709-12 (Brief comm.)
- Nakano T (see Okamoto et al). 1992;123:1439-44
- Nakao S (see Anan et al). 1992;123:1088-9 (Brief comm.)
- Nakashima Y (see Okabe et al). 1992;123:128-36
- Nakayama Y (see Terasaki et al). 1992;123:439-52
- Nanda NC (see Ballal et al). 1992;123:217-8 (Brief comm.)
- (see Varma et al). 1992;123:1055-7 (Brief comm.)
- Nanto S, Kodama K, Hori M, Mishima M, Hirayama A, Inoue M, Kamada T. Temporal increase in resting coronary blood flow causes an impairment of coronary flow reserve after coronary angioplasty. 1992;123:28-36
- Natale A (see Rebuszi et al). 1992;123:560-6
- Natarajan D, Sharma VP, Sharma SC. Percutaneous mitral valvotomy by Inoue catheter in young patients with mitral stenosis. 1992;123:541-3 (Brief comm.)
- Negi PC (see Vasan et al). 1992;123:1575-80
- Neiman J, Hui WKK. Posteromedial papillary muscle rupture as a result of right coronary artery occlusion after blunt chest injury. 1992;123:1694-9 (Brief comm.)
- Neutel JM (see Weber et al). 1992;123:1414-20 (Symposium)
- Nicholas JA (see Stachenfeld et al). 1992;123:922-5
- Nielsen FE, Andersen HH, Gram-Hansen P, Sørensen HT, Klausen IC. The relationship between ECG signs of atrial infarction and the development of supraventricular arrhythmias in patients with acute myocardial infarction. 1992;123:69-72
- Niemeyer MG (see Verzijlbergen et al). 1992;123:59-68
- Nienaber C (see Grover-McKay et al). 1992;123:646-52
- Nimmo GR. Mixed venous oxygen saturation in AMI. 1992;123:1720-1 (Letter)
- Nishida M (see Sato et al). 1992;123:1510-5
- Nishijima H (see Sato et al). 1992;123:1510-5
- Nishimura RA (see Barbosa et al). 1992;123:1236-44
- Nishioka T (see Kurita et al). 1992;123:304-9
- Nitenberg A (see Foulit et al). 1992;123:1493-9
- Nitsch J (see Tebbenjohanns et al). 1992;123:1090-1 (Brief comm.)

- Niwa A (see Naka et al). 1992;123:46-53  
 Niwano S (see Aizawa et al). 1992;123:257-60 (Brief comm.)  
 Nohara R (see Mohiuddin et al). 1992;123:386-94  
 Noma M (see Yamamoto et al). 1992;123:298-303  
 Northridge DB, Jamieson MP, Jardine AG, MacArthur KJD, MacFarlane N, Dargie HJ. Pulmonary extraction and left atrial secretion of atrial natriuretic factor during cardiopulmonary bypass surgery. 1992;123:698-703  
 Norton ED, Jackson EK, Turner MB, Virmani R, Forman MB. The effects of intravenous infusions of selective adenosine A<sub>1</sub>-receptor and A<sub>2</sub>-receptor agonists on myocardial reperfusion injury. 1992;123:332-8  
 Numano F (see Kishi et al). 1992;123:291-7  
 Nyman I, Larsson H, Areskog M, Areskog N-H, Wallentin L, RISC study group. The predictive value of silent ischemia at an exercise test before discharge after an episode of unstable coronary artery disease. 1992;123:324-31
- O**
- Obeid AI (see Simons et al). 1992;123:224-6 (Brief comm.)  
 Obrador D (see Marti et al). 1992;123:1065-7 (Brief comm.)  
 O'Brien P, Drage D, Saeian K, Brooks HL, Warltier DC. Regional redistribution of myocardial perfusion by UL-FS 49, a selective bradycardic agent. 1992;123:566-74  
 Oddone D (see Brignole et al). 1992;123:687-92  
 O'Donnell JF (see Hannan et al). 1992;123:866-72  
 Ogata E (see Ando et al). 1992;123:111-6  
 Ogilby JD (see Lee et al). 1992;123:1569-74  
 Ohar J (see Hilton et al). 1992;123:234-6 (Brief comm.)  
 Ohara K (see Shimamoto et al). 1992;123:1229-36  
 Ohkusa T (see Mohiuddin et al). 1992;123:386-94  
 Ohman EM. Intraaortic balloon pump and thrombolysis in AMI. 1992;123:1720 (Letter reply)  
 Ohno A (see Araie et al). 1992;123:1452-5  
 Ohshima Y (see Takahashi et al). 1992;123:1709-12 (Brief comm.)  
 Ohtani H (see Mohiuddin et al). 1992;123:386-94  
 Okabe M, Fukuda K, Nakashima Y, Hiroki T, Arakawa K, Kikuchi M. Lymphocytic active myocarditis characterized by numerous clusters of lymphocytes: A chronic variant of myocarditis? 1992;123:128-36  
 Okamoto S, Inden M, Setsuda M, Konishi T, Nakano T. Effects of trapidil (triazolopyrimidine), a platelet-derived growth factor antagonist, in preventing restenosis after percutaneous transluminal coronary angioplasty. 1992;123:1439-44  
 O'Keefe A (see Rubin et al). 1992;123:1082-4 (Brief comm.)  
 O'Keefe JH Jr, Rutherford BD, McConahay DR, Johnson WL Jr, Giorgi LV, Shimshak TM, Ligon RW, McCallister BD, Hartzler GO. Myocardial salvage with direct coronary angioplasty for acute infarction. 1992;123:1-6  
 Okita K (see Sato et al). 1992;123:1510-5  
 Oksanen E (see Mänttari et al). 1992;123:873-7  
 Oku Y (see Shimizu et al). 1992;123:814-6 (Brief comm.)  
 Okubo N (see Sunaga et al). 1992;123:1058-60 (Brief comm.)  
 Okuda E (see Hatori et al). 1992;123:1166-74  
 O'Laughlin MP (see Geva et al). 1992;123:260-2 (Brief comm.)  
 Oller G (see Galve et al). 1992;123:1690-2 (Brief comm.)  
 O'Loughlin JE (see Seifert et al). 1992;123:239-42 (Brief comm.)  
 Olaschewski M (see Hohnloser et al). 1992;123:1530-5  
 Olson HG (see Lehmann et al). 1992;123:1273-8  
 Olsson G (see Perski et al). 1992;123:609-16  
 Om A, Porter T, Mohanty PK. Transesophageal echocardiographic diagnosis of acute aortic dissection complicating cocaine abuse. 1992;123:532-4 (Brief comm.)  
 Ong CM, Canter CE, Gutierrez FR, Sekarski DR, Goldring DR. Increased stiffness and persistent narrowing of the aorta after successful repair of coarctation of the aorta: relationship to left ventricular mass and blood pressure at rest and with exercise. 1992;123:1594-600  
 Ong R (see Ellestad et al). 1992;123:904-8  
 Ono S (see Mohiuddin et al). 1992;123:386-94  
 Oreto G, Luzzza F, Satullo G, Donato A, Scimone IM, Calabró MP. Unexpected PR prolongation following nonconducted atrial extrasystoles: a manifestation of concealed reentry. 1992;123:798-9 (Brief comm.)  
 Ortega A (see Cappell et al). 1992;123:1728-30 (Letter)  
 Osame M (see Anan et al). 1992;123:1088-9 (Brief comm.)  
 O'Shea JP (see Rodriguez et al). 1992;123:1678-82 (Brief comm.)  
 Osugi J (see Ozaki et al). 1992;123:1191-8  
 Ott DA (see Geva et al). 1992;123:260-2 (Brief comm.)  
 Ott R (see Yen et al). 1992;123:243-4 (Brief comm.)  
 Øvrum E (see Ihlen et al). 1992;123:151-9  
 Ozaki Y, Takatsu F, Osugi J, Sugiishi M, Watarai M, Anno T, Toyama J. Long-term study of recurrent vasospastic angina using coronary angiograms during ergonovine provocation tests. 1992;123:1191-8
- P**
- Pai GM (see D'Cruz et al). 1992;123:1069-71 (Brief comm.)  
 Palacios IF (see Rodriguez et al). 1992;123:1678-82 (Brief comm.)  
 Palant A (see Behar et al). 1992;123:1481-6  
 Palatini P. Can an angiotensin-converting enzyme inhibitor with a short half-life effectively lower blood pressure for 24 hours? 1992;123:1421-5 (Symposium)  
 Palomo J (see Alfonso et al). 1992;123:1392-4 (Brief comm.)  
 Pan M (see Pavlovic et al). 1992;123:249-50 (Brief comm.)  
 Pande AK, Meier B, Urban P, de la Serna F, Villavicencio R, Doraz P-A, Favre J. Magnesium/Magnarail versus conventional systems for recanalization of chronic total coronary occlusions: a randomized comparison. 1992;123:1182-6  
 Pandian NG (see Schwartz et al). 1992;123:665-74  
 Paolisso G, Gambardella A, Marrazzo G, Verza M, Teasuro P, Varricchio M, D'Onofrio F. Metabolic and cardiovascular benefits deriving from  $\beta$ -adrenergic blockade in chronic congestive heart failure. 1992;123:103-10  
 Pape L (see Hendel et al). 1992;123:1208-15  
 Parameshwar J, Keegan J, Sparrow J, Sutton GC, Poole-Wilson PA. Predictors of prognosis in severe chronic heart failure. 1992;123:421-6  
 Paridon SM (see Ross et al). 1992;123:1293-9  
 Park GD (see Felicetta et al). 1992;123:1022-6  
 Parker FB Jr (see Simons et al). 1992;123:1077-9 (Brief comm.)  
 Pasiarski TJ, Alton ME, Van Fossen DB, Pearson AC. Right atrial mobile thrombus: improved visualization by transesophageal echocardiography. 1992;123:802-3 (Brief comm.)  
 —, Binkley PF, Pearson AC. Evaluation of aortic distensibility with transesophageal echocardiography. 1992;123:1288-92  
 Patel D (see Utsunomiya et al). 1992;123:166-71  
 Pauwels EKJ (see Verzijlbergen et al). 1992;123:59-68  
 Pavlovic D, de Lezo JS, Medina A, Romero M, Hernández E, Pan M, Tejero I, Melian F. Sequential transcatheter treatment of combined coarctation of aorta and persistent ductus arteriosus. 1992;123:249-50 (Brief comm.)  
 Pearson AC (see Pasiarski et al). 1992;123:802-3 (Brief comm.)  
 — (see Pasiarski et al). 1992;123:1288-92  
 Peled B (see Behar et al). 1992;123:1481-6  
 Pereira W (see Tousoulis et al). 1992;123:15-20  
 Perkins D (see Liddell et al). 1992;123:543-7 (Brief comm.)  
 Perlmutter RA (see Sager et al). 1992;123:926-33  
 Permanyer-Miralda G (see Galve et al). 1992;123:1690-2 (Brief comm.)  
 — (see Sagristà-Sauleda et al). 1992;123:1536-42  
 Perri C (see Colloridi et al). 1992;123:254-6 (Brief comm.)  
 Perski A, Olsson G, Landou C, de Faire U, Theorell T, Hamsten A. Minimum heart rate and coronary atherosclerosis: independent relations to global severity and rate of progression of angiographic lesions in men with myocardial infarction at a young age. 1992;123:609-16  
 Peters G (see Stoddard et al). 1992;123:1005-10  
 Phadke K (see Mulcahy et al). 1992;123:597-603  
 Phelps M (see Grover-McKay et al). 1992;123:646-52  
 Phillips JH (see Langhorne and Phillips). 1992;123:1699-701 (Brief comm.)  
 Picchione N (see Casolo et al). 1992;123:1252-60  
 Pichard AD (see Keren et al). 1992;123:200-8 (Prog. cardiol.)  
 — (see Mintz et al). 1992;123:1692-4 (Brief comm.)  
 Pieper KS (see Kereiakes et al). 1992;123:835-40  
 Pierce GN (see Liu et al). 1992;123:285-90  
 Piessens JH (see Sionis et al). 1992;123:530-2 (Brief comm.)  
 Pietersen AH (see Ulrik et al). 1992;123:1550-4  
 Pinamonti B, Sinagra G, Salvi A, Di Lenarda A, Morgera T, Silvestri F, Bussani R, Camerini F. Left ventricular involvement in right ventricular dysplasia. 1992;123:711-24  
 Pinsky WW (see Ross et al). 1992;123:1293-9  
 Plane MB (see McBride et al). 1992;123:817-24 (Editorial)  
 Poggesi L (see Casolo et al). 1992;123:1252-60  
 Polizzi G (see Malatino et al). 1992;123:693-8  
 Ponder R (see Strumpf et al). 1992;123:1329-36 (Prog. cardiol.)  
 Poole-Wilson PA (see Parameshwar et al). 1992;123:421-6



- Porter T (see Om et al). 1992;123:532-4 (Brief comm.)  
Potkin BN (see Mintz et al). 1992;123:1692-4 (Brief comm.)  
Prasad K, Kalra J, Bharadwaj B, Chaudhary AK. Increased oxygen free radical activity in patients on cardiopulmonary bypass undergoing aortocoronary bypass surgery. 1992;123:37-45  
Prince C (see Liddell et al). 1992;123:543-7 (Brief comm.)  
Przyklenk K, Bauer B, Kloner RA. Reperfusion of hibernating myocardium: contractile function, high-energy phosphate content, and myocyte injury after 3 hours of sublethal ischemia and 3 hours of reperfusion in the canine model. 1992;123:575-88  
Pucillo A (see Gaglione et al). 1992;123:1487-92  
Puechal X, Lioté F, Kuntz D. Bilateral femoral neuropathy caused by iliacus hematomas during anticoagulation after cardiac catheterization. 1992;123:262-3 (Brief comm.)  
Purcell H (see Mulcahy et al). 1992;123:597-603

## Q

- Quadrel MA, Atkin SH, Jaker MA. Delayed cardiotoxicity during treatment with intravenous pentamidine: two case reports and a review of the literature. 1992;123:1377-9 (Brief comm.)  
Quan M (see Utsunomiya et al). 1992;123:166-71

## R

- Rabago R (see Rey et al). 1992;123:1067-9 (Brief comm.)  
Rabinovich B (see Behar et al). 1992;123:1481-6  
Rahimtoola SH (see Widerhorn et al). 1992;123:796-8 (Brief comm.)  
Rahko PS (see Birmingham et al). 1992;123:774-81 (Prog. cardi.)  
Rajani M (see Vasan et al). 1992;123:1575-80  
Rajendran V (see Abdullah et al). 1992;123:1581-8  
Ramee SR (see Jain et al). 1992;123:514-5 (Brief comm.)  
Rao PS. Right ventricular filling following balloon pulmonary valvuloplasty. 1992;123:1084-6 (Brief comm.)  
—, Wilson AD. Chylothorax, an unusual complication of baffle obstruction following Mustard operation: successful treatment with balloon angioplasty. 1992;123:244-8 (Brief comm.)  
—, —, Levy JM, Gupta VK, Chopra PS. Role of "buttoned" double-disc device in the management of aortic septal defects. 1992;123:191-200 (Prog. cardi.)  
— (see Chopra and Rao). 1992;123:758-67 (Curriculum cardi.)  
Rath S (see Leor et al). 1992;123:784-6 (Brief comm.)  
Ratib O (see Grover-McKay et al). 1992;123:646-52  
Ratliff NB (see Verbunt et al). 1992;123:208-16 (Prog. cardi.)  
Rebuzzi AG, Natale A, Bianchi C, Albanese S, Lanza GA, Coppola E, Ciabattini G. Importance of reperfusion on thromboxane A<sub>2</sub> metabolite excretion after thrombolysis. 1992;123:560-6  
Redberg R (see Winslow et al). 1992;123:1682-4 (Brief comm.)  
Reeder GS (see Barbosa et al). 1992;123:1236-44  
Refsum H (see Mortensen et al). 1992;123:970-7  
Rega L (see Casolo et al). 1992;123:1252-60  
Reicher-Reiss H (see Behar et al). 1992;123:1481-6  
Reiffel JA. Improved rate control in atrial fibrillation. 1992;123:1094-8 (Editorial)  
Reisin L (see Behar et al). 1992;123:1481-6  
Reisner SA (see Hinds et al). 1992;123:143-50  
Ress-Grigolo G (see Schofer et al). 1992;123:846-53  
Rey M, Tuñon J, Viñolas X, Compres H, Criado A, Rabago R. Free-floating left atrial thrombus and its mechanical interaction with mitral regurgitant jet assessed by color Doppler echocardiography. 1992;123:1067-9 (Brief comm.)  
Reyes PA. Chagas' disease in the United States. 1992;123:1724 (Letter)  
Rhodes J, Schiller MS, Tejani A, Gonzalez R. Hemodialysis-induced subaortic obstruction in asymmetric septal hypertrophy. 1992;123:807-10 (Brief comm.)  
Rials SJ (see Kowey et al). 1992;123:481-5 (Curriculum cardi.)  
Ribeiro PA (see Fawzy et al). 1992;123:462-5  
Riggs TW (see Kemennu and Riggs). 1992;123:1057-8 (Brief comm.)  
Righetti A (see Delonca et al). 1992;123:1201-7  
Rijlaarsdam M (see Vargas-Barron et al). 1992;123:1707-9 (Brief comm.)  
— (see Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)  
Ringsdal V (see Melchior et al). 1992;123:1086-8 (Brief comm.)  
RISC study group (see Nyman et al). 1992;123:324-31  
Roberti RR (see Martinez et al). 1992;123:427-32

- Roberts R (see Schechtman et al). 1992;123:1175-81  
Roberts WC. Morphologic aspects of cardiac valve dysfunction. 1992;123:1610-32 (Curriculum cardi.)  
Roccario E (see Schweiger et al). 1992;123:268-72 (Editorial)  
Rodrigues D (see Ginzton et al). 1992;123:628-35  
Rodriguez L, Monterroso VH, Abascal VM, King ME, O'Shea JP, Palacios IF, Weyman AE. Does asymmetric mitral valve disease predict an adverse outcome after percutaneous balloon mitral valvotomy? An echocardiographic study. 1992;123:1678-82 (Brief comm.)  
Roma F (see Galve et al). 1992;123:1690-2 (Brief comm.)  
Romero-Cardenas A (see Vargas-Barron et al). 1992;123:1707-9 (Brief comm.)  
— (see Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)  
Romero M (see Pavlovic et al). 1992;123:249-50 (Brief comm.)  
Rosamond TL, Vacek JL, Hurwitz A, Rowland AJ, Beauchamp GD, Crouse LJ. Hypotension during dobutamine stress echocardiography: initial description and clinical relevance. 1992;123:403-7  
Rosen A (see Smith et al). 1992;123:1516-21  
Rosen D (see Bloom and Rosen). 1992;123:1730 (Letter)  
Rosen RC (see Kostis et al). 1992;123:466-74  
Rosenfeld LE (see Sager et al). 1992;123:926-33  
Rosman HS (see Alam et al). 1992;123:236-9 (Brief comm.)  
— (see Sabbah et al). 1992;123:961-6  
Ross J Jr (see Davis et al). 1992;123:534-6 (Brief comm.)  
Ross RD, Clapp SK, Gunther S, Paridon SM, Humes RA, Farooki ZQ, Pinsky WW. Augmented norepinephrine and renin output in response to maximal exercise in hypertensive coarctectomy patients. 1992;123:1293-9  
Roth RA (see Kern et al). 1992;123:160-5  
Roubin GS (see Varma et al). 1992;123:1055-7 (Brief comm.)  
Rowland AJ (see Rosamond et al). 1992;123:403-7  
Rubin DA, O'Keefe A, Kay RH, McAllister A, Mendelson DM. Autosomal dominant inherited ventricular tachycardia. 1992;123:1082-4 (Brief comm.)  
Ruiz CE, Zhang HP, Macaya C, Aleman EH, Allen JW, Lau FYK. Comparison of Inoue single-balloon versus double-balloon technique for percutaneous mitral valvotomy. 1992;123:942-7  
Ruocco NA (see Faxon et al). 1992;123:854-9  
Russell R (see Garcia et al). 1992;123:526-8 (Brief comm.)  
Rutherford BD (see O'Keefe et al). 1992;123:1-6  
Ryan TJ (see Faxon et al). 1992;123:854-9

## S

- Sabbah HN, Kono T, Rosman H, Jafri S, Stein PD, Goldstein S. Left ventricular snap: a factor in the etiology of functional mitral regurgitation in heart failure. 1992;123:961-6  
Sada M (see Brodsky et al). 1992;123:933-41  
Sadoshima J-I, Koyanagi S, Sugimachi M, Hirooka Y, Takeshita A. Evaluation of the severity of mitral regurgitation by transthoracic Doppler flow echocardiography. 1992;123:1245-51  
Saedi SF (see Johnson et al). 1992;123:603-8  
Saeed M, Wendland MF, Seelos K, Masui T, Derugin N, Higgins CB. Effect of cilazapril on regional left ventricular wall thickness and chamber dimension following acute myocardial infarction: in vivo assessment using MRI. 1992;123:1472-80  
Saeian K (see O'Brien et al). 1992;123:566-74  
Sager PT, Perlmutter RA, Rosenfeld LE, Batsford WP. Antiarrhythmic drug exacerbation of ventricular tachycardia inducibility during electrophysiologic study. 1992;123:926-33  
Sagrasta-Saulea J, Permanyer-Miralda G, Soler-Soler J. Electrical cardioversion after amiodarone administration. 1992;123:1536-42  
Saksena S (see Mehta et al). 1992;123:1079-82 (Brief comm.)  
Salem DN (see Schwartz et al). 1992;123:665-74  
Salvi A (see Pinamonti et al). 1992;123:711-24  
Sanchez JA (see Milei et al). 1992;123:1732-5 (Editorial)  
Sandrone G (see Lombardi et al). 1992;123:1521-9  
Sanghvi S (see Vasan et al). 1992;123:1575-80  
Sanyal R (see Ballal et al). 1992;123:217-8 (Brief comm.)  
Sanyal RS (see Varma et al). 1992;123:1055-7 (Brief comm.)  
Sapin PM (see Jain et al). 1992;123:1060-2 (Brief comm.)  
Saragoça MA (see Martinez et al). 1992;123:427-32  
Sasayama S (see Araie et al). 1992;123:1452-5  
Satler LF (see Keren et al). 1992;123:200-8 (Prog. cardi.)  
— (see Mintz et al). 1992;123:1692-4 (Brief comm.)  
Sato D (see Brodsky et al). 1992;123:933-41

- Sato I, Nishijima H, Matsumura N, Nishida M, Okita K, Yasuda H. The incidence of cardiac events in Japanese men with atypical or nonanginal chest pain: a prospective study on the significance of exercise testing. 1992;123:1510-5
- Satomura K (see Kurita et al). 1992;123:304-9
- Satullo G (see Oretto et al). 1992;123:798-9 (Brief comm.)
- Sauerisen S (see Davis et al). 1992;123:534-6 (Brief comm.)
- Savas V (see Hicks et al). 1992;123:653-64
- Sawyer W (see Abdullah et al). 1992;123:1581-8
- Saxena A, Mathur A, Iyer KS, Talwar KK. Congenital complete heart block in a neonate. 1992;123:1706-7 (Brief comm.)
- Schaal SF (see Davis and Schaal). 1992;123:681-6
- Schachter J (see Feld et al). 1992;123:782-4 (Brief comm.)
- Schechter D, Nagler A. Recombinant interleukin-2 and recombinant interferon  $\alpha$  immunotherapy cardiovascular toxicity. 1992;123:1736-9 (Editorial)
- Schechtman KB, Kleiger RE, Boden WE, Capone RJ, Schwartz DJ, Roberts R, Gibson RS. The relationship between 1-year mortality and infarct location in patients with non-Q wave myocardial infarction. 1992;123:1175-81
- Schellert HR (see Grover-McKay et al). 1992;123:646-52
- Schicha H (see Baer et al). 1992;123:636-45
- Schiller MS (see Rhodes et al). 1992;123:807-10 (Brief comm.)
- Schiller NB (see Winslow et al). 1992;123:1682-4 (Brief comm.)
- Schlesinger Z (see Behar et al). 1992;123:1481-6
- Schmieder RE, Messerli FH. Determinants of ventricular ectopy in hypertensive cardiac hypertrophy. 1992;123:89-95
- Schofer J, Ressa-Grigolo G, Voigt KD, Mathey DG. Early detection of coronary artery patency after thrombolysis by determination of the MM creatine kinase isoforms in patients with acute myocardial infarction. 1992;123:846-53
- Schofield P (see Mamprin et al). 1992;123:1725-6 (Letter)
- Schumacher MC (see Sharp et al). 1992;123:279-85
- Schwaiger M (see Grover-McKay et al). 1992;123:646-52 (see Hicks et al). 1992;123:653-64
- Schwartz DJ (see Schechtman et al). 1992;123:1175-81
- Schwartz SL, Pandian NG, Kumar R, Katz SE, Kusay BS, Aronovitz M, Konstam MA, Salem DN. Intracardiac echocardiography during simulated aortic and mitral balloon valvuloplasty: in vivo experimental studies. 1992;123:665-74
- Schweiger MJ, Roccario E, Weil T. Treatment of patients following bypass surgery: a dilemma for the 1990s. 1992;123:268-72 (Editorial)
- Schwinger RHG, Böhm M, Erdmann E. Inotropic and lusitropic dysfunction in myocardium from patients with dilated cardiomyopathy. 1992;123:116-28
- Scimone IM (see Oretto et al). 1992;123:798-9 (Brief comm.)
- Scott-Douglas NW (see Traboulsi et al). 1992;123:1279-87
- Sechtem U (see Baer et al). 1992;123:636-45
- Seelos KC, Funari M, Chang J-M, Higgins CB. Magnetic resonance imaging in acute and subacute mediastinal bleeding. 1992;123:1269-72 (see Saeed et al). 1992;123:1472-80
- Seifert BL, Snyder MS, Klein AA, O'Loughlin JE, Magid MS, Engle MA. Development of obstruction to ventricular outflow and impairment of inflow in glycogen storage disease of the heart: serial echocardiographic studies from birth to death at 6 months. 1992;123:239-42 (Brief comm.)
- Sekarski DR (see Ong et al). 1992;123:1594-600
- Serfer HM (see Felicetta et al). 1992;123:1022-6
- Serruys PW (see Cornel et al). 1992;123:1373-4 (Brief comm.) (see de Feyter et al). 1992;123:1633-42 (Curriculum cardiol.) (see de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.) (see Strikwerda et al). 1992;123:1686-90 (Brief comm.)
- Sethi KK (see Tyagi et al). 1992;123:674-80
- Setsuma M (see Okamoto et al). 1992;123:1439-44
- Shah MK, Subramanyan R, Tharakan J, Venkitchalam CG, Balakrishnan KG. Familial total atrial standstill. 1992;123:1379-82 (Brief comm.)
- Shaikh A (see Fawzy et al). 1992;123:462-5
- Shandling AH, Bernstein SB, Kennedy HL, Ellestad MH. Efficacy of three-channel ambulatory electrocardiographic monitoring for the detection of myocardial ischemia. 1992;123:310-6
- Shani J (see Feld et al). 1992;123:782-4 (Brief comm.)
- Shapiro EP (see Livingston et al). 1992;123:528-30 (Brief comm.)
- Sharma A, Kern MJ, Callicot P, Aguirre F, Labovitz A, Willman VL. Severe subpulmonic outflow obstruction caused by aneurysm of the membranous ventricular septum: diagnosis by transeophageal echocardiography. 1992;123:810-4 (Brief comm.)
- Sharma S, Loya YS, Daxini BV. Percutaneous balloon membranotomy combined with prolonged streptokinase infusion for management of inferior vena cava obstruction. 1992;123:515-8 (Brief comm.) (see Bhagwat et al). 1992;123:1397-8 (Brief comm.)
- Sharma SC (see Natarajan et al). 1992;123:541-3 (Brief comm.)
- Sharma VP (see Natarajan et al). 1992;123:541-3 (Brief comm.)
- Sharp SD, Williams RR, Hunt SC, Schumacher MC. Coronary risk factors and the severity of angiographic coronary artery disease in members of high-risk pedigrees. 1992;123:279-85
- Shechter M, Glikson M, Agranat O, Motro M. Echocardiographic demonstration of mitral block caused by left atrial spindle cell sarcoma. 1992;123:232-4 (Brief comm.)
- Shemin RJ (see McKenney et al). 1992;123:228-9 (Brief comm.) (see McKenney et al). 1992;123:1071-5 (Brief comm.)
- Shenasa M (see Kus et al). 1992;123:82-9
- Shibata A (see Aizawa et al). 1992;123:257-60 (Brief comm.)
- Shigematsu S (see Naka et al). 1992;123:46-53
- Shimamoto H, Kawazoe K, Kito Y, Ohara K, Kosakai Y, Kito H, Fujita T. Effects of intraaortic balloon pumping on mitral flow dynamics in patients with coronary artery bypass operations. 1992;123:1229-36
- Shimizu A, Oku Y, Matsuo K, Hashiba K. Hypertrophic cardiomyopathy progressing to a dilated cardiomyopathy-like feature in Noonan's syndrome. 1992;123:814-6 (Brief comm.)
- Shimosawa T (see Kuwajima et al). 1992;123:1307-11
- Shimshak TM (see O'Keefe et al). 1992;123:1-6
- Shiraki H (see Tomita et al). 1992;123:1011-22
- Shrivastava S (see Vasan et al). 1992;123:1575-80
- Siegel RJ (see Coy et al). 1992;123:1684-6 (Brief comm.)
- Sigwart U (see Lau and Sigwart). 1992;123:497-506 (Prog. cardiol.)
- Silverman AJ, Wetmore RW. Intraaortic balloon pump and thrombolysis in AMI. 1992;123:1720 (Letter)
- Silvestri F (see Pinamonti et al). 1992;123:711-24
- Simmons TW (see Hughes et al). 1992;123:408-12 (see Maloney et al). 1992;123:1561-8
- Simons AJ, Arazoza E, Hare CL, Smulyan H, Lighty GW Jr, Parker FB Jr. Circumferential aortic dissection in a young woman. 1992;123:1077-9 (Brief comm.) (see Carlson R, Hare CL, Obeid AI, Smulyan H. The use of transeophageal echocardiography in detecting aortic atherosclerosis in patients with embolic disease. 1992;123:224-6 (Brief comm.)
- Simonsen S (see Ihlen et al). 1992;123:151-9
- Sinagra G (see Pinamonti et al). 1992;123:711-24
- Sionis D, Vrolix MC, Glazier JJ, Stammen F, De Geest H, Piessens JH. Early exercise testing after successful percutaneous transluminal coronary angioplasty: a word of caution. 1992;123:530-2 (Brief comm.)
- Sivalingam K (see Sunder et al). 1992;123:790-2 (Brief comm.)
- Sketch MH Sr (see Mohiuddin et al). 1992;123:729-32
- Smith BA (see Fujimura et al). 1992;123:251-2 (Brief comm.)
- Smith DE (see Kostis et al). 1992;123:466-74
- Smith DHG (see Weber et al). 1992;123:1414-20 (Symposium)
- Smith DL, Walinsky P, Martinez-Hernandez A, Rosen A, Sterzer F, Kosman Z. Microwave thermal balloon angioplasty in the normal rabbit. 1992;123:1516-21
- Smith ER (see Belenkie et al). 1992;123:733-42 (see Traboulsi et al). 1992;123:1279-87
- Smith MD, Kwan OL, Spain MG, DeMaria AN. Temporal variability of color Doppler jet areas in patients with mitral and aortic regurgitation. 1992;123:953-60
- Smith RC, Leung JM, Keith FM, Merrick S, Mangano DT. Study of Perioperative Ischemia (SPI) Research Group. Ventricular dysrhythmias in patients undergoing coronary artery bypass graft surgery: incidence, characteristics and prognostic importance. 1992;123:73-81
- Smith WM (see Hood and Smith). 1992;123:1543-9
- Smolanz K (see Baer et al). 1992;123:636-45
- Smolin MR, Gorman PD, Gaitner NS, Wortham DC. Origin of the right coronary artery from the left main coronary artery identified by transeophageal echocardiography. 1992;123:1062-5 (Brief comm.)
- Smulyan H (see Simons et al). 1992;123:224-6 (Brief comm.) (see Simons et al). 1992;123:1077-9 (Brief comm.)
- Snyder MS (see Seifert et al). 1992;123:239-42 (Brief comm.)
- Soler-Soler J (see Galve et al). 1992;123:1690-2 (Brief comm.) (see Sagristà-Sauleda et al). 1992;123:1536-42
- Sonnenblick EH (see Katz et al). 1992;123:95-103

- Soomro RS (see Kumar et al). 1992;123:725-9  
Sørensen HT (see Nielsen et al). 1992;123:69-72  
Soto B (see Varma et al). 1992;123:1055-7 (Brief comm.)  
Spain MG (see Smith et al). 1992;123:953-60  
Sparks E (see Hirata et al). 1992;123:743-52 (Curriculum cardiol.)  
Sparrow J (see Mulcahy et al). 1992;123:597-603  
— (see Parameshwar et al). 1992;123:421-6  
Spaulding C (see Lazarus et al). 1992;123:222-4 (Brief comm.)  
Spindola-Franco H (see Menegus et al). 1992;123:1260-8  
Stachenfeld NS, Eskenazi M, Gleim GW, Coplan NL, Nicholas JA. Predictive accuracy of criteria used to assess maximal oxygen consumption. 1992;123:922-5  
Stammen F (see Sionis et al). 1992;123:530-2 (Brief comm.)  
Stancanelli B (see Malatino et al). 1992;123:693-8  
Stark KS (see Mintz et al). 1992;123:1692-4 (Brief comm.)  
Starling MR (see Hicks et al). 1992;123:653-64  
— (see Stewart et al). 1992;123:453-61  
Stein PD (see Sabbah et al). 1992;123:961-6  
Sterzer F (see Smith et al). 1992;123:1516-21  
Stevenson WG (see Middlekauff et al). 1992;123:475-80 (Curriculum cardiol.)  
— (see Moser et al). 1992;123:412-6  
— (see Woo et al). 1992;123:704-10  
Stewart RE, Gross MD, Starling MR. Mechanisms for an abnormal radionuclide left ventricular ejection fraction response to exercise in patients with chronic, severe aortic regurgitation. 1992;123:453-61  
Stoddard MF, Dillon S, Peters G, Kupersmith J. Left ventricular ejection fraction is increased during transesophageal echocardiography in patients with impaired ventricular function. 1992;123:1005-10  
— (see Liddell et al). 1992;123:230-2 (Brief comm.)  
— (see Liddell et al). 1992;123:543-7 (Brief comm.)  
Storino R (see Milei et al). 1992;123:1732-5 (Editorial)  
Stoysich AM (see Mohiuddin et al). 1992;123:729-32  
Stratmann HG, Younis LT, Kong B. Prognostic value of dipyridamole thallium-201 scintigraphy in patients with stable chest pain. 1992;123:317-23  
Strauss BH (see de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)  
Strikwerda S, Umans V, van der Linden MM, van Suylen RJ, Balk AH, de Feyter PJ, Serruys PW. Percutaneous directional atherectomy for discrete coronary lesions in cardiac transplant patients. 1992;123:1686-90 (Brief comm.)  
Strumpf RK, Mehta SS, Ponder R, Heuser RR. Palmaz-Schatz stent implantation in stenosed saphenous vein grafts: clinical and angiographic follow-up. 1992;123:1329-36 (Prog. cardiol.)  
Study of Perioperative Ischemia (SPI) Research Group (see Smith et al). 1992;123:73-81  
Subirana MT (see Marti et al). 1992;123:1065-7 (Brief comm.)  
Subramanyam R (see Shah et al). 1992;123:1379-82 (Brief comm.)  
Sugahara H (see Kurita et al). 1992;123:304-9  
Sugihara M (see Yamamoto et al). 1992;123:298-303  
Sugiishi M (see Ozaki et al). 1992;123:1191-8  
Sugimachi M (see Sadoshima et al). 1992;123:1245-51  
Sugishita Y (see Miyauchi et al). 1992;123:1092-3 (Brief comm.)  
Sugiura T (see Sunaga et al). 1992;123:1058-60 (Brief comm.)  
Sumi T (see Tomita et al). 1992;123:1011-22  
Sumimoto T. Mixed venous oxygen saturation in AMI. 1992;123:1721 (Letter reply)  
Sun I (see Alam et al). 1992;123:236-9 (Brief comm.)  
Sunaga Y, Taniuchi Y, Okubo N, Hayashi K, Karakawa M, Sugiura T, Iwasaka T, Inada M. Biplane transesophageal echocardiographic study of left coronary artery to right atrium fistula. 1992;123:1058-60 (Brief comm.)  
Sunder SK, Ekong EA, Sivalingam K, Kumar A. Superior vena cava thrombosis due to pacing electrodes: successful treatment with combined thrombolysis and angioplasty. 1992;123:790-2 (Brief comm.)  
Suri RS (see Mehta et al). 1992;123:1079-82 (Brief comm.)  
Suryapranata H (see de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)  
Sutton C (see Tominaga et al). 1992;123:21-8  
Sutton GC (see Parameshwar et al). 1992;123:421-6  
Suttorp MJ (see Verzijlbergen et al). 1992;123:59-68  
Suzuki J-i (see Takahashi et al). 1992;123:1709-12 (Brief comm.)  
Suzuki N (see Miyauchi et al). 1992;123:1092-3 (Brief comm.)  
Suzuki S (see Yamamoto et al). 1992;123:298-303  
Suzuki Y (see Kuwajima et al). 1992;123:1307-11  
Swales JD, Dzau VJ. Angiotensin-converting enzyme inhibition: research advances and clinical implications. Introduction. 1992;123:1412-3 (Symposium)  
  
**T**  
Tahara A (see Kohno et al). 1992;123:1382-4 (Brief comm.)  
Tahk SJ (see Tomaru et al). 1992;123:886-95  
— (see Tomaru et al). 1992;123:886-904  
Tai Y-T (see Lau et al). 1992;123:1388-90 (Brief comm.)  
Tajik AJ (see Barbosa et al). 1992;123:1236-44  
Tajimi T (see Yamamoto et al). 1992;123:298-303  
Takahashi T, Koide T, Yamaguchi H, Nakamura N, Ohshima Y, Suzuki J-i, Murao S, Hino H. Ehlers-Danlos syndrome with aortic regurgitation, dilation of the sinuses of Valsalva, and abnormal dermal collagen fibrils. 1992;123:1709-12 (Brief comm.)  
Takase B (see Kurita et al). 1992;123:504-9  
Takatsu F (see Ozaki et al). 1992;123:1191-8  
Takeda T (see Kohno et al). 1992;123:1382-4 (Brief comm.)  
Takeshita A (see Sadoshima et al). 1992;123:1245-51  
Takeuchi K (see Kohno et al). 1992;123:1382-4 (Brief comm.)  
Talley JD (see Liddell et al). 1992;123:230-2 (Brief comm.)  
Talwar KK (see Saxena et al). 1992;123:1706-7 (Brief comm.)  
Tamaki N (see Mohiuddin et al). 1992;123:386-94  
Tamburino C (see Malatino et al). 1992;123:693-8  
Tamburino G (see Malatino et al). 1992;123:693-8  
Tamura A, Kataoka H, Mikuriya Y. Influence of right ventricular ischemia on septal Q waves determined by coronary angioplasty. 1992;123:1198-201  
Tamura M (see Aizawa et al). 1992;123:257-60 (Brief comm.)  
Tanaka H (see Anan et al). 1992;123:1088-9 (Brief comm.)  
Tanaka S (see Hatori et al). 1992;123:1166-74  
Tande PM (see Mortensen et al). 1992;123:970-7  
Taniuchi Y (see Sunaga et al). 1992;123:1058-60 (Brief comm.)  
Taroni P (see Verbunt et al). 1992;123:208-16 (Prog. cardiol.)  
Tashiro N (see Yamanouchi et al). 1992;123:417-20  
Taska L (see Kostis et al). 1992;123:466-74  
Tatineni S, Kern MJ, Aguirre F. The effect of ergonovine on coronary vasodilatory reserve in patients with angiographically normal coronary arteries. 1992;123:617-20  
—, —, Deligonul U, Aguirre F. The effects of ionic and nonionic radiographic contrast media on coronary hyperemia in patients during coronary angiography. 1992;123:621-7  
Taylor E, Efron M, Veltri EP. False positive signal-averaged ECG produced by junctional rhythm with retrograde P waves. 1992;123:1701-3 (Brief comm.)  
Taylor JE (see Kowey et al). 1992;123:481-5 (Curriculum cardiol.)  
Tearoso P (see Paoliso et al). 1992;123:103-10  
Tebbenjohanns J, Nitsch J, Lüderitz B. Transfemoral catheterization of the coronary sinus by Doppler catheters for determination of coronary flow reserve. 1992;123:1090-1 (Brief comm.)  
Teichman SL (see Marin and Teichman). 1992;123:354-61  
Tejani A (see Rhodes et al). 1992;123:807-10 (Brief comm.)  
Tejero I (see Pavlovic et al). 1992;123:249-50 (Brief comm.)  
Ten Cate FJ (see Cornel et al). 1992;123:1373-4 (Brief comm.)  
Tenkanen L (see Mänttari et al). 1992;123:873-7  
Tepper D (see Freilich and Tepper). 1992;123:1324-8 (Curriculum cardiol.)  
Teragaki M (see Kohno et al). 1992;123:1382-4 (Brief comm.)  
Terasaki F, James TN, Nakayama Y, Deguchi H, Kitaura Y, Kawamura K. Ultrastructural alterations of the conduction system in mice exhibiting sinus arrest or heart block during coxsackievirus B3 acute myocarditis. 1992;123:439-52  
Terashima Y (see Tomita et al). 1992;123:1011-22  
Tharakan J (see Shah et al). 1992;123:1379-82 (Brief comm.)  
Theis JH. Chagas' disease in the United States. 1992;123:1724 (Letter reply)  
Theissen P (see Baer et al). 1992;123:636-45  
Theorell T (see Perski et al). 1992;123:609-16  
Thomas G (see Brodsky et al). 1992;123:933-41  
Thomas L (see Ellestad et al). 1992;123:904-8  
Tilkemeier PL (see Heller et al). 1992;123:909-16  
Tillisch JH (see Middlekauff et al). 1992;123:475-80 (Curriculum cardiol.)  
Timmis AD (see Umachandran and Timmis). 1992;123:1722 (Letter reply)  
Toda I (see Kohno et al). 1992;123:1382-4 (Brief comm.)  
Tohoh T (see Aizawa et al). 1992;123:257-60 (Brief comm.)



- Tomaru T, Geschwind HJ, Boussignac G, Lange F, Tahk SJ. Characteristics of shock waves induced by pulsed lasers and their effects on arterial tissue: comparison of excimer, pulse dye, and holmium YAG lasers. 1992;123:896-904
- , ———. Comparison of ablation efficacy of excimer, pulsed-dye, and holmium-YAG lasers relevant to shock waves. 1992;123:886-95
- Tominaga R, Kambic HE, Emoto H, Harasaki H, Sutton C, Hollman J. Effects of design geometry of intravascular endoprotheses on stenosis rate in normal rabbits. 1992;123:21-8
- Tomita M, Masuda H, Sumi T, Shiraki H, Gotoh K, Yagi Y, Tsukamoto T, Terashima Y, Miwa Y, Hirakawa S. Estimation of right ventricular volume by modified echocardiographic subtraction method. 1992;123:1011-22
- Tornos MP (see Galve et al). 1992;123:1690-2 (Brief comm.)
- Torp-Pedersen C (see Melchior et al). 1992;123:1086-8 (Brief comm.)
- Toshima H (see Koga et al). 1992;123:433-8
- Tousoulis D, Kaski JC, Davies G, Pereira W, El Tamimi H, McFadden E, Maseri A. Preangioplasty complicated coronary stenosis morphology as a predictor of restenosis. 1992;123:15-20
- Toyama J (see Ozaki et al). 1992;123:1191-8
- Traboulsi M, Scott-Douglas NW, Smith ER, Tyberg JV. The right and left ventricular intracavitary and transmural pressure-strain relationships. 1992;123:1279-87
- Trelease RB (see Woo et al). 1992;123:704-10
- Triposkiadis F (see Hirata et al). 1992;123:743-52 (Curriculum cardiol.)
- Triulzi MO (see Castini et al). 1992;123:1299-1306
- Troha JM (see Katz et al). 1992;123:95-103
- Trohanan RG (see Hughes et al). 1992;123:408-12
- (see Maloney et al). 1992;123:1561-8
- Tsao PS, Ma X-L, Lefer AM. Activated neutrophils aggravate endothelial dysfunction after reperfusion of the ischemic feline myocardium. 1992;123:1464-71
- Tsukamoto T (see Tomita et al). 1992;123:1011-22
- Tunick PA (see Dorsa et al). 1992;123:1398-1400 (Brief comm.)
- Tuñon J (see Rey et al). 1992;123:1067-9 (Brief comm.)
- Turner MB (see Norton et al). 1992;123:332-8
- Turnquest P (see Wesley and Turnquest). 1992;123:794-6 (Brief comm.)
- Tyagi S, Arora R, Kaul UA, Sethi KK, Gambhir DS, Khalilullah M. Balloon angioplasty of native coarctation of the aorta in adolescents and young adults. 1992;123:674-80
- Tyberg JV. Venous modulation of ventricular preload. 1992;123:1098-104 (Editorial)
- (see Belenkie et al). 1992;123:733-42
- (see Grant et al). 1992;123:1601-9
- (see Traboulsi et al). 1992;123:1279-87
- U**
- Ueda Y (see Aizawa et al). 1992;123:257-60 (Brief comm.)
- Uehata A (see Kurita et al). 1992;123:304-9
- Ulrik CS, Backer V, Aldershvile J, Pietersen AH. Serial pulmonary function tests in patients treated with low-dose amiodarone. 1992;123:1550-4
- Umachandran V, Timmis AD. Anginal perception in diabetes. 1992;123:1722 (Letter reply)
- Umans V (see Strikwerda et al). 1992;123:1686-90 (Brief comm.)
- Underbakke G (see McBride et al). 1992;123:817-24 (Editorial)
- Unger P, Vandenbossche J-L. Doppler demonstration of systolic aortic regurgitation. 1992;123:805-7 (Brief comm.)
- Unterberg C (see Buchwald et al). 1992;123:878-85
- Urban P (see Pande et al). 1992;123:1182-6
- Uriuda Y (see Hatori et al). 1992;123:1166-74
- Utsunomiya T, Patel D, Doshi R, Quan M, Gardin JM. Can signal intensity of the continuous wave Doppler regurgitant jet estimate severity of mitral regurgitation? 1992;123:166-71
- Usitupa M (see Mustonen et al). 1992;123:804-5 (Brief comm.)
- V**
- Vacek JL (see Rosamond et al). 1992;123:403-7
- Vacheron A (see Le Feuvre et al). 1992;123:860-5
- Vainio P (see Mustonen et al). 1992;123:804-5 (Brief comm.)
- van de Borne P, Abramowicz M, Degre S, Degaute J-P. Effects of chronic congestive heart failure on 24-hour blood pressure and heart rate patterns: a hemodynamic approach. 1992;123:998-1004
- Vandenbossche J-L (see Unger and Vandenbossche). 1992;123:805-7 (Brief comm.)
- van den Brand M (see de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)
- van der Linden MM (see Strikwerda et al). 1992;123:1686-90 (Brief comm.)
- van der Wall EE (see Verzijlbergen et al). 1992;123:59-68
- Van Fossen DB (see Pasierski et al). 1992;123:802-3 (Brief comm.)
- Vanninen E (see Mustonen et al). 1992;123:804-5 (Brief comm.)
- van Suylen RJ (see Strikwerda et al). 1992;123:1686-90 (Brief comm.)
- Vargas-Barron J, Avila-Rosales L, Romero-Cardenas A, Rijlaarsdam M, Keirns C, Buendia A. Echocardiographic diagnosis of a mycotic aneurysm of the main pulmonary artery and patent ductus arteriosus. 1992;123:1707-9 (Brief comm.)
- , Rijlaarsdam M, Romero-Cardenas A, Villegas M, Keirns C, Fernandez J, Bandin MA, Attie F. Hypoplastic left heart syndrome: report of a case of spontaneous survival to adulthood. 1992;123:1713-9 (Brief comm.)
- Varma V, Nanda NC, Soto B, Roubin GS, Bajaj R, Jain S, Sanyal RS. Transesophageal echocardiographic demonstration of proximal right coronary artery dissection extending into the aortic root. 1992;123:1055-7 (Brief comm.)
- Varriale P. CPR at a college musical rehearsal. 1992;123:1730-1 (Letter)
- , Chrysos BE. The RSR' complex not related to right bundle branch block: diagnostic value as a sign of myocardial infarction scar. 1992;123:369-76
- Varrichio M (see Paolisso et al). 1992;123:103-10
- Varrichione TR (see Faxon et al). 1992;123:854-9
- Vasan RS, Kaul U, Sanghvi S, Kamalakar T, Negi PC, Shrivastava S, Rajani M, Venugopal P, Wasir HS. Thrombolytic therapy for prosthetic valve thrombosis: a study based on serial Doppler echocardiographic evaluation. 1992;123:1575-80
- Vatne K (see Ihlen et al). 1992;123:151-9
- Veldtri EP (see Taylor et al). 1992;123:1701-3 (Brief comm.)
- Venittini FJ Jr (see Grubelich and Venditti). 1992;123:800-2 (Brief comm.)
- Venkitachalam CG (see Shah et al). 1992;123:1379-82 (Brief comm.)
- Ventriglia F (see Colloridi et al). 1992;123:254-6 (Brief comm.)
- Venugopal P (see Vasan et al). 1992;123:1575-80
- Verbunt RJAM, Fitzmaurice MA, Kramer JR, Ratliff NB, Kittrell C, Taroni P, Cothren RM, Baraga J, Feld M. Characterization of ultraviolet laser-induced autofluorescence of ceroid deposits and other structures in atherosclerotic plaques as a potential diagnostic for laser angioplasty. 1992;123:208-16 (Prog. cardiol.)
- Verheugt FWA (see Bijl and Verheugt). 1992;123:524-6 (Brief comm.)
- Verza M (see Paolisso et al). 1992;123:103-10
- Verzijlbergen JF, Suttrop MJ, Ascoop CAPL, Zwiderman AH, Niemeyer MG, van der Wall EE, Pauwels EKJ. Combined assessment of technetium-99m Sestamibi planar myocardial perfusion images at rest and during exercise with rest/exercise left ventricular wall motion studies evaluated from gated myocardial perfusion studies. 1992;123:59-68
- Vicaut E (see Forette et al). 1992;123:1426-32 (Symposium)
- Villacencio R (see Pande et al). 1992;123:1182-6
- Villegas M (see Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)
- Vinolas X (see Rey et al). 1992;123:1067-9 (Brief comm.)
- Virman R (see Norton et al). 1992;123:332-8
- Vitolo E (see Castini et al). 1992;123:1299-1306
- Voci G (see Banka et al). 1992;123:1725 (Letter reply)
- Vogel R (see Kern et al). 1992;123:160-5
- Voigt KD (see Schofer et al). 1992;123:846-53
- Voth E (see Buchwald et al). 1992;123:878-85
- Vrolx MC (see Sionis et al). 1992;123:530-2 (Brief comm.)
- W**
- Wada T (see Koga et al). 1992;123:433-8
- Wahl J (see Katz et al). 1992;123:95-103
- Waldo AL, Biblo LA, Carlson MD. Ventricular arrhythmias in perspective: a current view. 1992;123:1140-7 (Symposium)
- Walinsky P (see Smith et al). 1992;123:1516-21
- Walker AM (see Grant et al). 1992;123:1601-9
- Wallentin L (see Nyman et al). 1992;123:324-31
- Wallwork J (see Mamprin et al). 1992;123:1725-6 (Letter)

- Wang J-E (see Wang et al). 1992;123:1027-38 (Curriculum cardiol.)
- Wang X-F, Li Z-A, Cheng TO, Deng Y-B, Wang J-E, Yang Y. Bi-plane transesophageal echocardiography: an anatomic-ultrasonic-clinical correlative study. 1992;123:1027-38 (Curriculum cardiol.)
- Wartier DC (see O'Brien et al). 1992;123:566-74
- Wasir HS (see Vasan et al). 1992;123:1575-80
- Watarai M (see Ozaki et al). 1992;123:1191-8
- Weaver SO (see Ades et al). 1992;123:916-21
- Weber MA, Neutel JM, Smith DHG. Circulatory and extracirculatory effects of angiotensin-converting enzyme inhibition. 1992;123:1414-20 (Symposium)
- Weber S (see Lazarus et al). 1992;123:222-4 (Brief comm.)
- Weder AB (see Kjeldsen et al). 1992;123:1433-8 (Symposium)
- Weil T (see Schweiger et al). 1992;123:268-72 (Editorial)
- Weir MR (see Felicetta et al). 1992;123:1022-6
- Wendland MF (see Saeed et al). 1992;123:1472-80
- Werner GS (see Buchwald et al). 1992;123:878-85
- Wesley RC Jr, Turnquest P. Torsades de pointe after intravenous adenosine in the presence of prolonged QT syndrome. 1992;123:794-6 (Brief comm.)
- Wetmore RW (see Silverman and Wetmore). 1992;123:1720 (Letter)
- Weyman AE (see Rodriguez et al). 1992;123:1678-82 (Brief comm.)
- Wharton JM (see Harrison et al). 1992;123:1386-8 (Brief comm.)
- White CJ (see Jain et al). 1992;123:514-5 (Brief comm.)
- White JK (see Gwinn et al). 1992;123:1216-9
- Whitfield S (see Hendel et al). 1992;123:1208-15
- Whittaker P (see Li et al). 1992;123:346-53
- Widerhorn ALM (see Widerhorn et al). 1992;123:796-8 (Brief comm.)
- Widerhorn J, Widerhorn ALM, Rahimtoola SH, Elkayam U. WPW syndrome during pregnancy: increased incidence of supraventricular arrhythmias. 1992;123:796-8 (Brief comm.)
- Wiegand V (see Buchwald et al). 1992;123:878-85
- Wieggers SE (see McKenney et al). 1992;123:228-9 (Brief comm.)
- Wienecke MM (see Lau et al). 1992;123:1384-6 (Brief comm.)
- Wijns W (see de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)
- Wilkoﬀ BL (see Hughes et al). 1992;123:408-12
- (see Maloney et al). 1992;123:1561-8
- Williams RA. Cardiovascular thrombosis and cardiac arrhythmia: current and future management—introduction. 1992;123:1105 (Symposium)
- Williams RR (see Sharp et al). 1992;123:279-85
- Willman VL (see Sharma et al). 1992;123:810-4 (Brief comm.)
- Wilson AC (see Kostis et al). 1992;123:466-74
- Wilson AD (see Rao and Wilson). 1992;123:244-8 (Brief comm.)
- (see Rao et al). 1992;123:191-200 (Prog. cardiol.)
- Winslow T, Redberg R, Schiller NB. Transesophageal echocardiography in the diagnosis of flail tricuspid valve. 1992;123:1682-4 (Brief comm.)
- Wohlgeleitner D (see Grover-McKay et al). 1992;123:646-52
- Wolf PA (see Kannel and Wolf). 1992;123:264-7 (Editorial)
- Wolfe CL (see Le et al). 1992;123:1368-9 (Brief comm.)
- Woo MA, Stevenson WG, Moser DK, Trelease RB, Harper RM. Patterns of beat-to-beat heart rate variability in advanced heart failure. 1992;123:704-10
- (see Moser et al). 1992;123:412-6
- Wood JC (see Lim et al). 1992;123:1456-63
- Wooley CF (see Hirata et al). 1992;123:743-52 (Curriculum cardiol.)

- Wortham DC (see Smolin et al). 1992;123:1062-5 (Brief comm.)
- Wright C (see Mulcahy et al). 1992;123:597-603
- Wright JT Jr. Practical pharmacokinetics of ventricular antiarrhythmic therapy. 1992;123:1148-52 (Symposium)

## X

- Xie G-y (see Huang et al). 1992;123:395-402

## Y

- Yagi Y (see Tomita et al). 1992;123:1011-22
- Yamada T (see Naka et al). 1992;123:46-53
- Yamaguchi H (see Takahashi et al). 1992;123:1709-12 (Brief comm.)
- Yamaguchi R (see Koga et al). 1992;123:433-8
- Yamamoto H, Yoshimura H, Noma M, Kai H, Suzuki S, Tajimi T, Sugihara M, Kikuchi Y. Preservation of endothelium-dependent vasodilation in the spastic segment of the human epicardial coronary artery by substance P. 1992;123:298-303
- Yamanishi K (see Araie et al). 1992;123:1452-5
- Yamanouchi Y, Kumagai K, Tashiro N, Hiroki T, Arakawa K. Transesophageal low-energy synchronous cardioversion of atrial flutter/fibrillation in the dog. 1992;123:417-20
- Yamagisawa M (see Miyauchi et al). 1992;123:1092-3 (Brief comm.)
- Yang JC (see Lehmann et al). 1992;123:1273-8
- Yang Y (see Wang et al). 1992;123:1027-38 (Curriculum cardiol.)
- Yasuda H (see Sato et al). 1992;123:1510-5
- Yazdanfar S (see Kass et al). 1992;123:486-96 (Curriculum cardiol.)
- (see Ledley et al). 1992;123:518-21 (Brief comm.)
- Yen RS, Allen B, Ott R, Brodsky M. The syndrome of right atrial myxoma, spotty skin pigmentation, and acromegaly. 1992;123:243-4 (Brief comm.)
- Yonekura Y (see Mohiuddin et al). 1992;123:386-94
- Yoshimura H (see Yamamoto et al). 1992;123:298-303
- Yoshizawa K (see Naka et al). 1992;123:46-53
- Yoshizu H (see Hatori et al). 1992;123:1166-74
- Young JB (see Grinstead and Young). 1992;123:1039-45 (Prog. cardiol.)
- Young M-L, Dai Z-K, Chang J-S, Chen M-R. Catheter fulguration ablation of left atrial ectopic tachycardia in a child. 1992;123:253-4 (Brief comm.)
- Younis LT (see Stratmann et al). 1992;123:317-23
- Yui Y (see Morishita et al). 1992;123:1153-6

## Z

- Zabel M (see Hohnloser et al). 1992;123:1220-4
- (see Hohnloser et al). 1992;123:1530-5
- Zahavi I (see Behar et al). 1992;123:1481-6
- Zampa V (see Casolo et al). 1992;123:1252-60
- Zarco P (see Alfonso et al). 1992;123:1392-4 (Brief comm.)
- Zarowitz BJ, Gheorghiadu M. Optimal heart rate control for patients with chronic atrial fibrillation: Are pharmacologic choices truly changing? 1992;123:1401-3 (Editorial)
- Zeldow WC (see Lehmann et al). 1992;123:1273-8
- Zelenkofske SL (see McGarry et al). 1992;123:1445-51
- Zhang HP (see Ruiz et al). 1992;123:942-7
- Zile MR (see Gwinn et al). 1992;123:1216-9
- Zion M (see Behar et al). 1992;123:1481-6
- Zwinderman AH (see Verzijlbergen et al). 1992;123:59-68

# Subject index\*

## A

### Acetates

Assessment of myocardial oxidative metabolism in aortic valve disease using positron emission tomography with C-11 acetate (Hicks et al). 1992;123:653-64

### Acquired immunodeficiency syndrome

Delayed cardiotoxicity during treatment with intravenous pentamidine: two case reports and a review of the literature (Quadrel et al). 1992;123:1377-9 (Brief comm.)

Toxoplasma myocarditis in AIDS (Cappell et al). 1992;123:1728-30 (Letter)

### Acromegaly

The syndrome of right atrial myxoma, spotty skin pigmentation, and acromegaly (Yen et al). 1992;123:243-4 (Brief comm.)

### Acyl esters; see Esters

### Adenosine

Acute termination of supraventricular tachycardia by adenosine during pregnancy (Harrison et al). 1992;123:1386-8 (Brief comm.)

Adenosine and its cardiovascular effects (Freilich and Tepper). 1992;123:1324-8 (Curriculum cardiol.)

Adenosine versus verapamil in the treatment of supraventricular tachycardia: a randomized double-blind crossover trial (Hood and Smith). 1992;123:1543-9

Atrioventricular block during adenosine thallium imaging (Lee et al). 1992;123:1569-74

The effects of intravenous infusions of selective adenosine A<sub>1</sub>-receptor and A<sub>2</sub>-receptor agonists on myocardial reperfusion injury (Norton et al). 1992;123:332-8

Torsades de pointes after intravenous adenosine in the presence of prolonged QT syndrome (Wesley and Turnquest). 1992;123:794-6 (Brief comm.)

### Adolescents

Balloon angioplasty of native coarctation of the aorta in adolescents and young adults (Tyagi et al). 1992;123:674-80

Successful radiofrequency catheter ablation of an atrial ectopic tachycardia in an adolescent (Lau et al). 1992;123:1384-6 (Brief comm.)

### Adrenergic beta receptor blockers

Arrhythmias during the acute phase of reperfusion therapy for acute myocardial infarction: effects of  $\beta$ -adrenergic blockade (Hohnloser et al). 1992;123:1530-5

Assessment of immune modulation of  $\beta$ -adrenergic pathways in human dilated cardiomyopathy: influence of methodologic factors (Limas et al). 1992;123:967-70

Chronic  $\beta_1$ -blocker treatment and cardiac  $\beta_2$ -adrenoceptor function (Brodde). 1992;123:1727-8 (Letter)

Metabolic and cardiovascular benefits deriving from  $\beta$ -adrenergic blockade in chronic congestive heart failure (Paolisso et al). 1992;123:103-10

Optimal heart rate control for patients with chronic atrial fibrillation: Are pharmacologic choices truly changing? (Zarowitz and Gheorghiade). 1992;123:1401-3 (Editorial)

### Age factors

Age- and sex-related variation of plasma endothelin-1 concentration in normal and hypertensive subjects (Miyauchi et al). 1992;123:1092-3 (Brief comm.)

### Aged

Diminished nocturnal decline in blood pressure in elderly hypertensive patients with left ventricular hypertrophy (Kuwajima et al). 1992;123:1307-11

Efficacy and safety of quinapril in the elderly hypertensive patient (Forette et al). 1992;123:1426-32 (Symposium)

Transesophageal echocardiographic detection of aortic atherosclerosis may provide clues to occult renal dysfunction in the elderly (Coy et al). 1992;123:1684-6 (Brief comm.)

### Agings

Evaluation of aortic distensibility with transesophageal echocardiography (Pasiński et al). 1992;123:1288-92

### AIDS; see Acquired immunodeficiency syndrome

### Ambulances

Relative importance of emergency medical system transport and the prehospital electrocardiogram on reducing hospital time delay to therapy for acute myocardial infarction: a preliminary report from the Cincinnati Heart Project (Kereiakes et al). 1992;123:835-40

### Ambulatory electrocardiography; see Electrocardiography, ambulatory

### Ambulatory ventricular scintigraphic monitoring; see Radionuclide imaging

### AMI; see Myocardial infarction

### Amiodarone

Amiodarone-cyclosporine interaction in cardiac transplantation (Mamprin et al). 1992;123:1725-6 (Letter)

Electrical cardioversion after amiodarone administration (Sagrìstà-Sauleda et al). 1992;123:1536-42

Serial pulmonary function tests in patients treated with low-dose amiodarone (Ulrik et al). 1992;123:1550-4

### Anatomy and histology

Biplane transesophageal echocardiography: an anatomic-ultrasonic-clinical correlative study (Wang et al). 1992;123:1027-38 (Curriculum cardiol.)

### Aneurysm

Intraoperative transesophageal echocardiographic diagnosis of left atrial pseudoaneurysm (Ballal et al). 1992;123:217-8 (Brief comm.)

Repair of postcatheterization femoral pseudoaneurysms by color flow ultrasound guided compression (Fellmeth et al). 1992;123:547-51 (Brief comm.)

Role of transesophageal echocardiography in sinus of Valsalva aneurysm (McKenney et al). 1992;123:228-9 (Brief comm.)

Severe subpulmonic outflow obstruction caused by aneurysm of the membranous ventricular septum: diagnosis by transesophageal echocardiography (Sharma et al). 1992;123:810-4 (Brief comm.)

Surgical treatment of an atherosclerotic aneurysm of the left main coronary artery (Lazarus et al). 1992;123:222-4 (Brief comm.)

Transesophageal echocardiographic diagnosis of complex false aneurysm with aorto-left atrial communication complicating aortic valve and root replacement (Liddell et al). 1992;123:543-7 (Brief comm.)

Transesophageal echocardiographic features of left ventricular pseudoaneurysm resulting after mitral valve replacement surgery (Alam et al). 1992;123:226-8 (Brief comm.)

### Aneurysm, infected

Echocardiographic diagnosis of a mycotic aneurysm of the main pulmonary artery and patent ductus arteriosus (Vargas-Baron et al). 1992;123:1707-9 (Brief comm.)

### Angina, unstable

Intravascular ultrasound imaging in a patient with unstable angina (Mintz et al). 1992;123:1692-4 (Brief comm.)

The predictive value of silent ischemia at an exercise test before discharge after an episode of unstable coronary artery disease (Nyman et al). 1992;123:324-31

### Angina pectoris

Anginal perception in diabetes (Langer) (Letter); (Umachandran and Timmis) (Reply). 1992;123:1721-2

A combination of electrocardiographic methods represents a further step toward the noninvasive identification of patients with syndrome X (Burton et al). 1992;123:53-8

The incidence of cardiac events in Japanese men with atypical or nonanginal chest pain: a prospective study on the significance of exercise testing (Sato et al). 1992;123:1510-5

Inhibition of platelet aggregation by prostacyclin is attenuated after exercise in patients with angina pectoris (Kishi et al). 1992;123:291-7

Primary thrombocytosis and myocardial ischemic syndrome in a young woman (Adlaka et al). 1992;123:786-90 (Brief comm.)

The prognostic significance of angina pectoris preceding the occurrence of a first acute myocardial infarction in 4166 consecutive hospitalized patients (Behar et al). 1992;123:1481-6

\*January, pp. 1-278; February, pp. 279-552; March, pp. 553-834; April, Part 1, pp. 835-1104; April, Part 2, pp. 1105-1152; May, pp. 1153-1438; June, pp. 1439-1784.



# Angina pectoris, variant

Long-term study of recurrent vasospastic angina using coronary angiograms during ergonovine provocation tests (Ozaki et al). 1992;123:1191-8

Various 12-lead electrocardiographic findings of diffuse three-vessel coronary artery spasm (Koh). 1992;123:1187-91

# Angiogenesis; see Neovascularization

## Angiography

Angiographic and intracoronary flow velocity reversal in a transplanted heart: a common etiology for an uncommon condition (Donohue et al). 1992;123:1374-7 (Brief comm.)

Angiographic demonstration of spontaneous variation in coronary artery collateral blood flow: a mechanism for post-infarction angina (Jain et al). 1992;123:1060-2 (Brief comm.)

A combination of electrocardiographic methods represents a further step toward the noninvasive identification of patients with syndrome X (Burton et al). 1992;123:53-8

Coronary risk factors and the severity of angiographic coronary artery disease in members of high-risk pedigrees (Sharp et al). 1992;123:279-85

Early and late angiographic findings of the "no-reflow" phenomenon following direct angioplasty as primary treatment for acute myocardial infarction (Feld et al). 1992;123:782-4 (Brief comm.)

The effect of ergonovine on coronary vasodilatory reserve in patients with angiographically normal coronary arteries (Tatineni et al). 1992;123:617-20

Effect of viscosity and iodine concentration of nonionic radiographic contrast media on coronary arteriography in patients (Kern et al). 1992;123:160-5

The effects of ionic and nonionic radiographic contrast media on coronary hyperemia in patients during coronary angiography (Tatineni et al). 1992;123:621-7

Long-term study of recurrent vasospastic angina using coronary angiograms during ergonovine provocation tests (Ozaki et al). 1992;123:1191-8

Minimum heart rate and coronary atherosclerosis: independent relations to global severity and rate of progression of angiographic lesions in men with myocardial infarction at a young age (Perski et al). 1992;123:609-16

Myocardial contrast echocardiography can depict thebesian vein outflow in humans (Cornel et al). 1992;123:1373-4 (Brief comm.)

Palma-Schatz stent implantation in stenosed saphenous vein grafts: clinical and angiographic follow-up (Strumpf et al). 1992;123:1329-36 (Prog. cardi.)

The predictive value of the time course of ST segment depression during exercise testing in patients referred for coronary angiograms (Ellestad et al). 1992;123:904-8

Silent myocardial ischemia in patients with non-insulin-dependent diabetes mellitus as judged by treadmill exercise testing and coronary angiography (Naka et al). 1992;123:46-53

## Angioplasty, laser

Novel coronary interventional devices: an update (Lau and Sigwart). 1992;123:497-506 (Prog. cardi.)

Restenosis after excimer laser angioplasty of coronary stenoses and chronic total occlusions (Buchwald et al). 1992;123:878-85

## Angioplasty, transluminal

Balloon angioplasty of native coarctation of the aorta in adolescents and young adults (Tyagi et al). 1992;123:674-80

Chylothorax, an unusual complication of baffle obstruction following Mustard operation: successful treatment with balloon angioplasty (Rao and Wilson). 1992;123:244-8 (Brief comm.)

Early and late angiographic findings of the "no-reflow" phenomenon following direct angioplasty as primary treatment for acute myocardial infarction (Feld et al). 1992;123:782-4 (Brief comm.)

Microwave thermal balloon angioplasty in the normal rabbit (Smith et al). 1992;123:1516-21

Percutaneous balloon membranotomy combined with prolonged streptokinase infusion for management of inferior vena cava obstruction (Sharma et al). 1992;123:515-8 (Brief comm.)

Superior vena cava thrombosis due to pacing electrodes: successful treatment with combined thrombolysis and angioplasty (Sunder et al). 1992;123:790-2 (Brief comm.)

## Angioplasty, transluminal, percutaneous coronary

Abrupt coronary artery occlusion during percutaneous transluminal coronary angioplasty (de Feyter et al). 1992;123:1633-42 (Curriculum cardi.)

## Angioplasty, transluminal, percutaneous coronary

—Cont'd

The degree of revascularization and outcome after multivessel coronary angioplasty (Faxon et al). 1992;123:854-9

Early exercise testing after successful percutaneous transluminal coronary angioplasty: a word of caution (Sionis et al). 1992;123:530-2 (Brief comm.)

Effects of coronary artery bypass surgery and angioplasty on the total ischemic burden: a study of exercise testing and ambulatory ST segment monitoring (Mulcahy et al). 1992;123:597-603

Effects of trapidil (triazolopyrimidine), a platelet-derived growth factor antagonist, in preventing restenosis after percutaneous transluminal coronary angioplasty (Okamoto et al). 1992;123:1439-44

Iatrogenic coronary arteriovenous fistula following percutaneous coronary angioplasty (Leor et al). 1992;123:784-6 (Brief comm.)

Influence of right ventricular ischemia on septal Q waves determined by coronary angioplasty (Tamura et al). 1992;123:1198-201

The intracoronary administration of urokinase following direct PTCA for acute myocardial infarction reduces early restenosis (Morishita et al). 1992;123:1153-6

Intravascular ultrasound-assisted percutaneous angioplasty of aortic coarctation (Jain et al). 1992;123:514-5 (Brief comm.)

Late direct angioplasty in patients with myocardial infarction and fluctuating chest pain (Eisenhauer et al). 1992;123:553-9

Myocardial salvage with direct coronary angioplasty for acute infarction (O'Keefe et al). 1992;123:1-6

Novel coronary interventional devices: an update (Lau and Sigwart). 1992;123:497-506 (Prog. cardi.)

Preangioplasty complicated coronary stenosis morphology as a predictor of restenosis (Tousoulis et al). 1992;123:15-20

The relationship of anticoagulation level and complications after successful percutaneous transluminal coronary angioplasty (McGarry et al). 1992;123:1445-51

Restenosis after excimer laser angioplasty of coronary stenoses and chronic total occlusions (Buchwald et al). 1992;123:878-85

Temporal increase in resting coronary blood flow causes an impairment of coronary flow reserve after coronary angioplasty (Nanto et al). 1992;123:28-36

Transient myocardial ischemia stimulates atrial natriuretic factor release (Malatino et al). 1992;123:693-8

Treatment of severe mitral regurgitation caused by ischemic papillary muscle dysfunction: indications for coronary angioplasty (Le Feuvre et al). 1992;123:860-5

Two-vessel PTCA of single anomalous coronary artery (Grenadier et al). 1992;123:220-2 (Brief comm.)

## Angiotensin-converting enzyme inhibitors

Angiotensin-converting enzyme inhibition: research advances and clinical implications—introduction (Swales and Dzau). 1992;123:1412-3 (Symposium)

Can an angiotensin-converting enzyme inhibitor with a short half-life effectively lower blood pressure for 24 hours? (Palatini). 1992;123:1421-5 (Symposium)

Circulatory and extracirculatory effects of angiotensin-converting enzyme inhibition (Weber et al). 1992;123:1414-20 (Symposium)

Does blood pressure reduction necessarily compromise cardiac function or renal hemodynamics? Effects of the angiotensin-converting enzyme inhibitor quinapril (Kjeldsen et al). 1992;123:1433-8 (Symposium)

Efficacy and safety of quinapril in the elderly hypertensive patient (Forette et al). 1992;123:1426-32 (Symposium)

## Angiotensin II

The myocardial renin-angiotensin system: existence, importance, and clinical implications (Grinstead and Young). 1992;123:1039-45 (Prog. cardi.)

## Anistreplase

Adult respiratory distress syndrome following thrombolytic therapy with APSAC for acute myocardial infarction (Le et al). 1992;123:1368-9 (Brief comm.)

## Anomalous left circumflex coronary artery; see Coronary vessel anomalies

## Anti-arrhythmia agents; see also Arrhythmia

Antiarrhythmic drug exacerbation of ventricular tachycardia inducibility during electrophysiologic study (Sager et al). 1992;123:926-33

On the mechanism of action of antiarrhythmic agents (Grant). 1992;123:1130-6 (Symposium)

**Anti-arrhythmia agents—Cont'd**

- Pharmacologic suppression of atrial flutter induced by atrial stimulation (Davis and Schaal). 1992;123:681-6
- Practical pharmacokinetics of ventricular antiarrhythmic therapy (Wright). 1992;123:1148-52 (Symposium)
- Proarrhythmic effects of antiarrhythmic drugs: evolving concepts (Morganroth). 1992;123:1137-9 (Symposium)
- Short- and long-term antiarrhythmic and hemodynamic effects of d,l-sotalol in patients with symptomatic ventricular arrhythmias (Hohnloser et al). 1992;123:1220-4

**Anti-hypertensive agents; see also Hypertension, drug therapy**

- New insights and approaches to reduce end-organ damage in the treatment of hypertension: subsets of hypertension approach (Houston). 1992;123:1337-67 (Special report)

**Antibodies**

- Assessment of immune modulation of  $\beta$ -adrenergic pathways in human dilated cardiomyopathy: influence of methodologic factors (Limas et al). 1992;123:967-70
- Chagas' disease in the United States (Reyes) (Letter); (Theis) (Reply). 1992;123:1724

**Anticoagulants**

- Bilateral femoral neuropathy caused by iliacus hematomas during anticoagulation after cardiac catheterization (Puechal et al). 1992;123:262-3 (Brief comm.)
- The relationship of anticoagulation level and complications after successful percutaneous transluminal coronary angioplasty (McGarry et al). 1992;123:1445-51

**Antimycin scintigraphy; see Radionuclide imaging****Antioxidants**

- Carnitine and its acyl esters as secondary antioxidants? (Arduni). 1992;123:1726-7 (Letter)

**Antithrombotic therapy; see Thrombolytic therapy****Aorta**

- Cardiovascular manifestations of Marfan's syndrome in the young (El Habbal). 1992;123:752-7 (Curriculum cardiol.)
- The Marfan syndrome: cardiovascular physical findings and diagnostic correlates (Hirata et al). 1992;123:743-52 (Curriculum cardiol.)
- Transesophageal echocardiographic demonstration of proximal right coronary artery dissection extending into the aortic root (Varma et al). 1992;123:1055-7 (Brief comm.)

**Aorta, thoracic**

- Circumferential aortic dissection in a young woman (Simons et al). 1992;123:1077-9 (Brief comm.)
- Evaluation of aortic distensibility with transesophageal echocardiography (Pasierski et al). 1992;123:1288-92
- Subclinical traumatic aortic injury diagnosed by transesophageal echocardiography (Davis et al). 1992;123:534-6 (Brief comm.)

**Aortic aneurysm**

- Pseudoaneurysm of the thoracic aorta due to cardiopulmonary resuscitation: diagnosis by transesophageal echocardiography (Dorsa et al). 1992;123:1398-400 (Brief comm.)

**Aortic balloon valvuloplasty, percutaneous; see Balloon dilatation****Aortic coarctation**

- Augmented norepinephrine and renin output in response to maximal exercise in hypertensive coarctectomy patients (Ross et al). 1992;123:1293-9
- Balloon angioplasty of native coarctation of the aorta in adolescents and young adults (Tyagi et al). 1992;123:674-80
- Increased stiffness and persistent narrowing of the aorta after successful repair of coarctation of the aorta: relationship to left ventricular mass and blood pressure at rest and with exercise (Ong et al). 1992;123:1594-600
- Intravascular ultrasound-assisted percutaneous angioplasty of aortic coarctation (Jain et al). 1992;123:514-5 (Brief comm.)
- Sequential transcatheter treatment of combined coarctation of aorta and persistent ductus arteriosus (Pavlovic et al). 1992;123:249-50 (Brief comm.)

**Aortic diseases**

- Assessment of myocardial oxidative metabolism in aortic valve disease using positron emission tomography with C-11 acetate (Hicks et al). 1992;123:653-64
- Increased stiffness and persistent narrowing of the aorta after successful repair of coarctation of the aorta: relationship to left ventricular mass and blood pressure at rest and with exercise (Ong et al). 1992;123:1594-600

**Aortic diseases—Cont'd**

- Transesophageal echocardiographic detection of aortic atherosclerosis may provide clues to occult renal dysfunction in the elderly (Coy et al). 1992;123:1684-6 (Brief comm.)
- The use of transesophageal echocardiography in detecting aortic atherosclerosis in patients with embolic disease (Simons et al). 1992;123:224-6 (Brief comm.)

**Aortic regurgitation; see Aortic valve insufficiency****Aortic valve**

- Hemodynamic evaluation of the Carbomedics prosthetic heart valve in the aortic position: comparison of noninvasive and invasive techniques (Ihlen et al). 1992;123:151-9
- Intracardiac echocardiography during simulated aortic and mitral balloon valvuloplasty: in vivo experimental studies (Schwartz et al). 1992;123:665-74
- Morphologic aspects of cardiac valve dysfunction (Roberts). 1992;123:1610-32 (Curriculum cardiol.)

**Aortic valve insufficiency**

- Coronary involvement in Cogan's syndrome (Livingston et al). 1992;123:528-30 (Brief comm.)
- Doppler demonstration of systolic aortic regurgitation (Unger and Vandenbosche). 1992;123:805-7 (Brief comm.)
- Ehlers-Danlos syndrome with aortic regurgitation, dilation of the sinuses of Valsalva, and abnormal dermal collagen fibrils (Takahashi et al). 1992;123:1709-12 (Brief comm.)
- Mechanisms for an abnormal radionuclide left ventricular ejection fraction response to exercise in patients with chronic, severe aortic regurgitation (Stewart et al). 1992;123:453-61
- Temporal variability of color Doppler jet areas in patients with mitral and aortic regurgitation (Smith et al). 1992;123:953-60

**Aortic valve replacement; see Heart valve prosthesis****Aortic valve stenosis**

- Accuracy of various methods of measuring the transvalvular pressure gradient in aortic stenosis (Brogan et al). 1992;123:948-53
- Hemodialysis-induced subaortic obstruction in asymmetric septal hypertrophy (Rhodes et al). 1992;123:807-10 (Brief comm.)
- Recurrence of symptoms after percutaneous aortic balloon valvuloplasty: relationship to Doppler diastolic filling values (Barbosa et al). 1992;123:1236-44

**Aortocoronary bypass; see Coronary artery bypass****Aortopulmonary septal defect**

- Tricuspid atresia associated with aortopulmonary window: controlling pulmonary blood flow with a fenestrated patch (Geva et al). 1992;123:260-2 (Brief comm.)

**APSAC; see Anistreplase****Arrhythmia**

- Antithrombotic therapy in deep vein thrombosis and pulmonary embolism (Hirsh). 1992;123:1115-22 (Symposium)
- Antithrombotic therapy in left ventricular thrombosis and systemic embolism (Cregler). 1992;123:1110-4 (Symposium)
- Arrhythmias during the acute phase of reperfusion therapy for acute myocardial infarction: effects of  $\beta$ -adrenergic blockade (Hohnloser et al). 1992;123:1530-5
- Atherogenesis and thrombosis: mechanisms, pathogenesis, and therapeutic implications (Clark). 1992;123:1106-9 (Symposium)
- An attempt at electrical catheter ablation of the arrhythmogenic area in idiopathic ventricular fibrillation (Aizawa et al). 1992;123:257-60 (Brief comm.)
- Cardiovascular thrombosis and cardiac arrhythmia: current and future management—introduction (Williams). 1992;123:1105 (Symposium)
- Cosecretion of atrial and brain natriuretic peptides during supraventricular tachyarrhythmias (Kohn et al). 1992;123:1382-4 (Brief comm.)
- Evaluation of patients with complex ventricular arrhythmias: current noninvasive and invasive methods (Fontaine). 1992;123:1123-9 (Symposium)
- Ionic biology and ionic medicine in cardiac arrhythmias with particular reference to magnesium (Iseri et al). 1992;123:1404-9 (Editorial)
- On the mechanism of action of antiarrhythmic agents (Grant). 1992;123:1130-6 (Symposium)
- New-onset ventricular tachycardia during pregnancy (Brodsky et al). 1992;123:933-41
- Practical pharmacokinetics of ventricular antiarrhythmic therapy (Wright). 1992;123:1148-52 (Symposium)
- Proarrhythmic effects of antiarrhythmic drugs: evolving concepts (Morganroth). 1992;123:1137-9 (Symposium)

# Arrhythmia—Cont'd

- The relationship between ECG signs of atrial infarction and the development of supraventricular arrhythmias in patients with acute myocardial infarction (Nielsen et al). 1992;123:69-72
- Serial pulmonary function tests in patients treated with low-dose amiodarone (Ulrik et al). 1992;123:1550-4
- Short- and long-term antiarrhythmic and hemodynamic effects of d,l-sotalol in patients with symptomatic ventricular arrhythmias (Hohnloser et al). 1992;123:1220-4
- The transient nature of the effect of ischemic preconditioning on myocardial infarct size and ventricular arrhythmia (Li et al). 1992;123:346-53
- Ventricular arrhythmias in perspective: a current view (Waldo et al). 1992;123:1140-7 (Symposium)
- WPW syndrome during pregnancy: increased incidence of supraventricular arrhythmias (Widerhorn et al). 1992;123:796-8 (Brief comm.)

# Arterial occlusive diseases

- Abrupt coronary artery occlusion during percutaneous transluminal coronary angioplasty (de Feyter et al). 1992;123:1633-42 (Curriculum cardiol.)
- Acute thrombotic coronary occlusion secondary to chest trauma treated with intracoronary thrombolysis (Ledley et al). 1992;123:518-21 (Brief comm.)
- Posteromedial papillary muscle rupture as a result of right coronary artery occlusion after blunt chest injury (Neiman and Hui). 1992;123:1694-9 (Brief comm.)
- The transient nature of the effect of ischemic preconditioning on myocardial infarct size and ventricular arrhythmia (Li et al). 1992;123:346-53

# Arterial tissue, coronary; see Coronary vessels

# Arteriography; see Angiography

# Arteriovenous fistula

- Iatrogenic coronary arteriovenous fistula following percutaneous coronary angioplasty (Leor et al). 1992;123:784-6 (Brief comm.)

# Aspirin

- Aspirin use and survival after coronary bypass surgery (Johnson et al). 1992;123:603-8

# Asymmetric septal hypertrophy; see Cardiomyopathy, hypertrophic

# Atherectomy; see Coronary arteriosclerosis

# Atheromatosis; see Coronary arteriosclerosis

# Arteriosclerosis, coronary; see Coronary arteriosclerosis

# Atrial ectopic tachycardia; see Tachycardia, ectopic atrial

# Atrial extrasystole; see Electrocardiography

# Atrial fibrillation

- Efficacy of intravenous propafenone in acute atrial fibrillation complicating open-heart surgery (Gentili et al). 1992;123:1225-8
- Improved rate control in atrial fibrillation (Reiffel). 1992;123:1094-8 (Editorial)
- Left atrial ball thrombus in nonrheumatic atrial fibrillation diagnosed by transesophageal echocardiography (Kuo et al). 1992;123:1394-7 (Brief comm.)
- Optimal heart rate control for patients with chronic atrial fibrillation: Are pharmacologic choices truly changing? (Zarowitz and Gheorghiadu). 1992;123:1401-3 (Editorial)
- Transesophageal low-energy synchronous cardioversion of atrial flutter/fibrillation in the dog (Yamanouchi et al). 1992;123:417-20

# Atrial flutter

- Pharmacologic suppression of atrial flutter induced by atrial stimulation (Davis and Schaal). 1992;123:681-6
- Transesophageal low-energy synchronous cardioversion of atrial flutter/fibrillation in the dog (Yamanouchi et al). 1992;123:417-20

# Atrial infarction; see Infarction

# Atrial natriuretic peptides; see Natriuretic peptides, atrial

# Atrial pacing; see Cardiac pacing, artificial

# Atrial septal defects; see Heart septal defects, atrial

# Atrial standstill; see Heart atrium, pathology

# Atrial stimulation; see Cardiotonic agents

# Atrial tachycardia; see Tachycardia

# Atrioventricular block; see Heart block

# Atrioventricular node

- Dual ventriculoatrial conduction caused by closely approximated accessory atrioventricular pathways (Fujimura et al). 1992;123:251-2 (Brief comm.)

# Atrioventricular synchrony

- Effect of atrioventricular synchrony on stroke volume during ventricular tachycardia in man (Maloney et al). 1992;123:1561-8

# Atrium; see Heart atrium entries

# Auscultation; see Heart auscultation

# Autoantibodies

- Assessment of immune modulation of  $\beta$ -adrenergic pathways in human dilated cardiomyopathy: influence of methodologic factors (Limas et al). 1992;123:967-70

# Autofluorescence; see Fluorescence

## B

# B-color ultrasound images; see Echocardiography

# B3 coxsackievirus; see Coxsackieviruses

# Ball thrombus, left atrial; see Coronary thrombosis

# Balloon angioplasty; see Angioplasty, transluminal

# Balloon dilatation

- Comparison between single (Inoue) and double balloon mitral valvuloplasty: immediate and short-term results (Abdullah et al). 1992;123:1581-8
- Comparison of Inoue single-balloon versus double-balloon technique for percutaneous mitral valvotomy (Ruiz et al). 1992;123:942-7
- Does asymmetric mitral valve disease predict an adverse outcome after percutaneous balloon mitral valvotomy? An echocardiographic study (Rodriguez et al). 1992;123:1678-82 (Brief comm.)
- Intracardiac echocardiography during simulated aortic and mitral balloon valvuloplasty: in vivo experimental studies (Schwartz et al). 1992;123:665-74
- Magnum/Magnarail versus conventional systems for recanalization of chronic total coronary occlusions: a randomized comparison (Pande et al). 1992;123:1182-6
- Palmaz-Schatz stent implantation in stenosed saphenous vein grafts: clinical and angiographic follow-up (Strumpf et al). 1992;123:1329-36 (Prog. cardiol.)
- Percutaneous mitral valvotomy by Inoue catheter in young patients with mitral stenosis (Natarajan et al). 1992;123:541-3 (Brief comm.)
- Percutaneous mitral valvotomy with the Inoue balloon catheter in children and adults: immediate results and early follow-up (Fawzy et al). 1992;123:462-5
- Recurrence of symptoms after percutaneous aortic balloon valvuloplasty: relationship to Doppler diastolic filling values (Barbosa et al). 1992;123:1236-44
- Right ventricular filling following balloon pulmonary valvuloplasty (Rao). 1992;123:1084-6 (Brief comm.)
- Transient pulmonary hypertension following pulmonary balloon valvuloplasty (Bhagwat et al). 1992;123:1397-8 (Brief comm.)

# Balloon membranotomy; see Angioplasty, transluminal

# Balloon valvuloplasty, percutaneous aortic; see Balloon dilatation

# Becker's muscular dystrophy; see Muscular dystrophy

# Beta adrenergic blockade; see Adrenergic beta receptor blockers

# Beta-endorphin

- Differences in plasma  $\beta$ -endorphin and bradykinin levels between patients with painless or with painful myocardial ischemia (Kurita et al). 1992;123:304-9

# Bioprosthetic valve; see Heart valve prosthesis

# Biplane transesophageal echocardiography; see Echocardiography

# Bleeding; see Hemorrhage

# Blood flow, pulmonary; see Pulmonary circulation

# Blood flow velocity

- Angiographic and intracoronary flow velocity reversal in a transplanted heart: a common etiology for an uncommon condition (Donohue et al). 1992;123:1374-7 (Brief comm.)
- Effects of intraaortic balloon pumping on mitral flow dynamics in patients with coronary artery bypass operations (Shimamoto et al). 1992;123:1229-36



**Blood flow velocity—Cont'd**

The effects of ionic and nonionic radiographic contrast media on coronary hyperemia in patients during coronary angiography (Tatineni et al). 1992;123:621-7

**Blood gas analysis**

Mixed venous oxygen saturation in AMI (Nimmo) (Letter); (Sumimoto) (Reply). 1992;123:1720-1

**Blood pressure**

Accuracy of various methods of measuring the transvalvular pressure gradient in aortic stenosis (Brogan et al). 1992;123:948-53

Can an angiotensin-converting enzyme inhibitor with a short half-life effectively lower blood pressure for 24 hours? (Palatini). 1992;123:1421-5 (Symposium)

Diminished nocturnal decline in blood pressure in elderly hypertensive patients with left ventricular hypertrophy (Kuwajima et al). 1992;123:1307-11

Does blood pressure reduction necessarily compromise cardiac function or renal hemodynamics? Effects of the angiotensin-converting enzyme inhibitor quinapril (Kjeldsen et al). 1992;123:1433-8 (Symposium)

Effects of chronic congestive heart failure on 24-hour blood pressure and heart rate patterns: a hemodynamic approach (van de Borne et al). 1992;123:998-1004

Increased stiffness and persistent narrowing of the aorta after successful repair of coarctation of the aorta: relationship to left ventricular mass and blood pressure at rest and with exercise (Ong et al). 1992;123:1594-600

The right and left ventricular intracavitary and transmural pressure-strain relationships (Traboulsi et al). 1992;123:1279-87

Survival of heart failure patients with preserved versus impaired systolic function: the prognostic implication of blood pressure (Ghali et al). 1992;123:993-7

**Blood vessel prosthesis**

Effects of design geometry of intravascular endoprostheses on stenosis rate in normal rabbits (Tominaga et al). 1992;123:21-8

**Blood vessels**

Stimulation of coronary collateral growth: current developments in angiogenesis and future clinical applications (Kass et al). 1992;123:486-96 (Curriculum cardi.)

**Blunt injuries; see Wounds, nonpenetrating****Bookshelf**

Bookshelf. 1992;123:552, 1410, 1740

**Bradycardia, drug therapy**

Regional redistribution of myocardial perfusion by UL-FS 49, a selective bradycardic agent (O'Brien et al). 1992;123:566-74

**Bradykinin**

Differences in plasma  $\beta$ -endorphin and bradykinin levels between patients with painless or with painful myocardial ischemia (Kurita et al). 1992;123:304-9

**Brain**

Cosecretion of atrial and brain natriuretic peptides during supraventricular tachyarrhythmias (Kohno et al). 1992;123:1382-4 (Brief comm.)

**Brief communications**

Brief communications. 1992;123:217-63, 514-51, 782-816, 1055-93, 1368-400, 1678-719

**Bundle-branch block**

Limits of thallium-201 exercise scintigraphy to detect coronary disease in patients with complete and permanent bundle branch block: a review of 134 cases (Delonca et al). 1992;123:1201-7

The RSR' complex not related to right bundle branch block: diagnostic value as a sign of myocardial infarction scar (Variale and Chrysos). 1992;123:369-76

**Buttoned double-disc device; see Equipment and supplies****Bypass surgery; see Coronary artery bypass****C****C-11 acetate; see Acetates****Calcitonin gene-related peptide**

Vasodilating actions of calcitonin gene-related peptide in normal man: comparison with atrial natriuretic peptide (Ando et al). 1992;123:111-6

**Calcium antagonist; see Calcium channel blockers****Calcium channel blockers**

Hemodynamic effects of the vascular selective calcium antagonist felodipine in patients with impaired left ventricular function (Gradman). 1992;123:273-8 (Editorial)

Optimal heart rate control for patients with chronic atrial fibrillation: Are pharmacologic choices truly changing? (Zarowitz and Gheorghade). 1992;123:1401-3 (Editorial)

**Canola oil; see Plant oils****Capillary wedge pressure, pulmonary; see Pulmonary wedge pressure****Captopril**

Circulatory and extracirculatory effects of angiotensin-converting enzyme inhibition (Weber et al). 1992;123:1414-20 (Symposium)

**Cardiomedics prosthetic heart valve; see Heart valve prosthesis****Carcinoma**

Echocardiographic manifestations of esophageal carcinoma (D'Cruz et al). 1992;123:1703-6 (Brief comm.)

**Cardiac arrhythmia; see Arrhythmia****Cardiac catheterization; see Heart catheterization****Cardiac function; see Heart, physiology****Cardiac hypertrophy; see Hypertrophy****Cardiac output**

Intraoperative determination of cardiac output by transesophageal continuous wave Doppler (Gorcsan et al). 1992;123:171-6

Venous modulation of ventricular preload (Tyberg). 1992;123:1098-104 (Editorial)

**Cardiac pacing, artificial**

Ventricular fibrillation induced by transesophageal atrial pacing in asymptomatic Wolff-Parkinson-White syndrome (Brembilla-Perrot and Dechaux). 1992;123:536-7 (Brief comm.)

**Cardiac performance; see Heart function tests****Cardiac tamponade**

Paradoxical right ventricular wall motion in postsurgical anterior cardiac compression by hematoma (D'Cruz et al). 1992;123:1069-71 (Brief comm.)

**Cardiac transplantation; see Heart transplantation****Cardiac tumor; see Heart neoplasms****Cardiac volume**

Estimation of right ventricular volume by modified echocardiographic subtraction method (Tomita et al). 1992;123:1011-22

**Cardiomyopathy; see Myocardial diseases****Cardiomyopathy, congestive**

Assessment of immune modulation of  $\beta$ -adrenergic pathways in human dilated cardiomyopathy: influence of methodologic factors (Limas et al). 1992;123:967-70

Hypertrophic cardiomyopathy progressing to a dilated cardiomyopathy-like feature in Noonan's syndrome (Shimizu et al). 1992;123:814-6 (Brief comm.)

Inotropic and lusitropic dysfunction in myocardium from patients with dilated cardiomyopathy (Schwinger et al). 1992;123:116-28

Tissue plasminogen activator lysis of a right ventricular thrombus (Kemenui and Riggs). 1992;123:1057-8 (Brief comm.)

Ventricular thrombi and thromboembolism in dilated cardiomyopathy: a prospective follow-up study (Falk et al). 1992;123:136-42

**Cardiomyopathy, dilated**

Differentiation between primary dilated cardiomyopathy and ischemic cardiomyopathy based on right ventricular performance (Iskandrian et al). 1992;123:768-73 (Prog. cardi.)

**Cardiomyopathy, hypertrophic**

Hemodialysis-induced subaortic obstruction in asymmetric septal hypertrophy (Rhodes et al). 1992;123:807-10 (Brief comm.)

Hypertrophic cardiomyopathy progressing to a dilated cardiomyopathy-like feature in Noonan's syndrome (Shimizu et al). 1992;123:814-6 (Brief comm.)

Sudden appearance of giant negative T waves in patients with hypertrophic cardiomyopathy (Alfonso et al). 1992;123:1392-4 (Brief comm.)

Therapeutic effect of oral dipyridamole on myocardial perfusion and cardiac performance in patients with hypertrophic cardiomyopathy (Koga et al). 1992;123:433-8

**Cardiomyopathy, restrictive**

Clinical profile and outcome of restrictive cardiomyopathy in children (Lewis). 1992;123:1589-93

**Cardiopulmonary bypass**

Increased oxygen free radical activity in patients on cardiopulmonary bypass undergoing aortic coronary bypass surgery (Prasad et al). 1992;123:37-45

**Cardiopulmonary bypass—Cont'd**

Pulmonary extraction and left atrial secretion of atrial natriuretic factor during cardiopulmonary bypass surgery (Northridge et al). 1992;123:698-703

**Cardiopulmonary resuscitation**

CPR at a college musical rehearsal (Varriale). 1992;123:1730-1 (Letter)

Pseudoaneurysm of the thoracic aorta due to cardiopulmonary resuscitation: diagnosis by transesophageal echocardiography (Dorsa et al). 1992;123:1398-400 (Brief comm.)

**Cardiotonic agents**

Inotropic and lusitropic dysfunction in myocardium from patients with dilated cardiomyopathy (Schwinger et al). 1992;123:116-28

A multicenter, randomized, double-blind, placebo-controlled trial of pimobendan, a new cardiotonic and vasodilator agent, in patients with severe congestive heart failure (Katz et al). 1992;123:95-103

Pharmacologic suppression of atrial flutter induced by atrial stimulation (Davis and Schaal). 1992;123:681-6

**Cardiotoxicity; see Heart, drug effects**

**Cardiovascular diseases, prevention and control**

Pulling it all together: changing the cardiovascular outlook (Kannel and Wolf). 1992;123:264-7 (Editorial)

**Cardiovascular thrombosis; see Coronary thrombosis**

**Cardiovascular toxicity; see Heart, drug effects**

**Cardioversion; see Electric countershock**

**Cardioverter defibrillator; see Electric countershock**

**Carnitine**

Carnitine and its acyl esters as secondary antioxidants? (Arduini). 1992;123:1726-7 (Letter)

**Carotid sinus**

Long-term outcome in symptomatic carotid sinus hypersensitivity (Brignole et al). 1992;123:687-92

**Catecholamines**

Effects of catecholamine stimulation on myocardial hibernation (Downing and Chen). 1992;123:589-96

**Catheter ablation; see Electrocoagulation**

**Catheterization; see Heart catheterization**

**Ceroid**

Characterization of ultraviolet laser-induced autofluorescence of ceroid deposits and other structures in atherosclerotic plaques as a potential diagnostic for laser angioplasty (Verbunt et al). 1992;123:208-16 (Prog. cardiol.)

**Chagas disease; see Trypanosomiasis, South American**

**Chest injuries; see Thoracic injuries**

**Chest pain**

Differences in plasma  $\beta$ -endorphin and bradykinin levels between patients with painless or with painful myocardial ischemia (Kurita et al). 1992;123:304-9

The incidence of cardiac events in Japanese men with atypical or nonanginal chest pain: a prospective study on the significance of exercise testing (Sato et al). 1992;123:1510-5

Late direct angioplasty in patients with myocardial infarction and fluctuating chest pain (Eisenhauer et al). 1992;123:553-9

Prognostic value of dipyridamole thallium-201 scintigraphy in patients with stable chest pain (Stratmann et al). 1992;123:317-23

Use of rapid serial sampling of creatine kinase MB for very early detection of myocardial infarction in patients with acute chest pain (Marin and Teichman). 1992;123:354-61

**Child**

Catheter fulguration ablation of left atrial ectopic tachycardia in a child (Young et al). 1992;123:253-4 (Brief comm.)

Clinical profile and outcome of restrictive cardiomyopathy in children (Lewis). 1992;123:1589-93

Increased stiffness and persistent narrowing of the aorta after successful repair of coarctation of the aorta: relationship to left ventricular mass and blood pressure at rest and with exercise (Ong et al). 1992;123:1594-600

Oral sotalol in pediatric atrial ectopic tachycardia (Colloridi et al). 1992;123:254-6 (Brief comm.)

Percutaneous mitral valvotomy with the Inoue balloon catheter in children and adults: immediate results and early follow-up (Fawzy et al). 1992;123:462-5

The prevalence of valvular regurgitation in children with structurally normal hearts: a color Doppler echocardiographic study (Brand et al). 1992;123:177-80

**Cholesterol**

Hypercholesterolemia: the current educational needs of physicians (McBride et al). 1992;123:817-24 (Editorial)

**Cholesterol—Cont'd**

Oxidative status of lipoproteins in coronary disease patients (Liu et al). 1992;123:285-90

**Chronic heart failure; see Heart failure, congestive**

**Chronotropic incompetence; see Heart rate**

**Chylothorax**

Chylothorax, an unusual complication of baffle obstruction following Mustard operation: successful treatment with balloon angioplasty (Rao and Wilson). 1992;123:244-8 (Brief comm.)

**Cilazapril**

Effect of cilazapril on regional left ventricular wall thickness and chamber dimension following acute myocardial infarction: in vivo assessment using MRI (Saeed et al). 1992;123:1472-80

**Cincinnati Heart Project**

Relative importance of emergency medical system transport and the prehospital electrocardiogram on reducing hospital time delay to therapy for acute myocardial infarction: a preliminary report from the Cincinnati Heart Project (Kereiakes et al). 1992;123:835-40

**Cine magnetic resonance imaging; see Magnetic resonance imaging**

**Circadian rhythm**

Circadian variation of spectral indices of heart rate variability after myocardial infarction (Lombardi et al). 1992;123:1521-9

**Circumflex coronary artery, anomalous; see Coronary vessel anomalies**

**Coarctation of aorta; see Aortic coarctation**

**Coarctectomy; see Aortic coarctation**

**Cocaine**

Transesophageal echocardiographic diagnosis of acute aortic dissection complicating cocaine abuse (Om et al). 1992;123:532-4 (Brief comm.)

**Cogan's syndrome**

Coronary involvement in Cogan's syndrome (Livingston et al). 1992;123:528-30 (Brief comm.)

**Collagen**

Ehlers-Danlos syndrome with aortic regurgitation, dilation of the sinuses of Valsalva, and abnormal dermal collagen fibrils (Takahashi et al). 1992;123:1709-12 (Brief comm.)

**Collateral circulation**

Angiographic demonstration of spontaneous variation in coronary artery collateral blood flow: a mechanism for post-infarction angina (Jain et al). 1992;123:1060-2 (Brief comm.)

Relationship between the preexistent coronary collateral circulation and successful intracoronary thrombolysis for acute myocardial infarction (Araie et al). 1992;123:1452-5

Stimulation of coronary collateral growth: current developments in angiogenesis and future clinical applications (Kass et al). 1992;123:486-96 (Curriculum cardiol.)

**Color Doppler echocardiography; see Echocardiography, Doppler**

**Color flow ultrasound; see Ultrasonography**

**Complex false aneurysm; see Aneurysm**

**Complications; see Intraoperative complications; Postoperative complications**

**Computers**

Evaluation of a personal computer-based quantitative coronary analysis system for rapid assessment of coronary stenoses (Alvarez et al). 1992;123:1500-10

**Congenital heart block; see Heart block**

**Congestive heart failure; see Heart failure, congestive**

**Connective tissue diseases**

Cardiovascular manifestations of Marfan's syndrome in the young (El Habbal). 1992;123:752-7 (Curriculum cardiol.)

The Marfan syndrome: cardiovascular physical findings and diagnostic correlates (Hirata et al). 1992;123:743-52 (Curriculum cardiol.)

**Continuous wave Doppler echocardiography; see Echocardiography, Doppler**

**Contrast echocardiography; see Echocardiography**

**Contrast media**

Effect of viscosity and iodine concentration of nonionic radiographic contrast media on coronary arteriography in patients (Kern et al). 1992;123:160-5

The effects of ionic and nonionic radiographic contrast media on coronary hyperemia in patients during coronary angiography (Tatineni et al). 1992;123:621-7

**Coronary angiography; see Angiography**

**Coronary angioplasty; see Angioplasty, transluminal, percutaneous coronary**

**Coronary arteriography; see Angiography**

**Coronary arteriosclerosis**

- Atherogenesis and thrombosis: mechanisms, pathogenesis, and therapeutic implications (Clark). 1992;123:1106-9 (Symposium)
- Characterization of ultraviolet laser-induced autofluorescence of ceroid deposits and other structures in atherosclerotic plaques as a potential diagnostic for laser angioplasty (Verbunt et al). 1992;123:208-16 (Prog. cardiol.)
- Intravascular ultrasound in coronary atherosclerosis: a new approach to clinical assessment (Liebson and Klein). 1992;123:1643-60 (Prog. cardiol.)
- Minimum heart rate and coronary atherosclerosis: independent relations to global severity and rate of progression of angiographic lesions in men with myocardial infarction at a young age (Perski et al). 1992;123:609-16
- Modern approaches to the diagnosis of coronary artery disease (Anderson and King). 1992;123:1312-23 (Curriculum cardiol.)
- Novel coronary interventional devices: an update (Lau and Sigwart). 1992;123:497-506 (Prog. cardiol.)
- Percutaneous directional atherectomy for discrete coronary lesions in cardiac transplant patients (Strikwerda et al). 1992;123:1686-90 (Brief comm.)
- Surgical treatment of an atherosclerotic aneurysm of the left main coronary artery (Lazarus et al). 1992;123:222-4 (Brief comm.)
- Transesophageal echocardiographic detection of aortic atheromatosis may provide clues to occult renal dysfunction in the elderly (Coy et al). 1992;123:1684-6 (Brief comm.)
- The use of transesophageal echocardiography in detecting aortic atherosclerosis in patients with embolic disease (Simons et al). 1992;123:224-6 (Brief comm.)

**Coronary artery bypass**

- Aspirin use and survival after coronary bypass surgery (Johnson et al). 1992;123:603-8
- Effects of coronary artery bypass surgery and angioplasty on the total ischemic burden: a study of exercise testing and ambulatory ST segment monitoring (Mulcahy et al). 1992;123:597-603
- Effects of intraaortic balloon pumping on mitral flow dynamics in patients with coronary artery bypass operations (Shimamoto et al). 1992;123:1229-36
- Gender differences in mortality rates for coronary artery bypass surgery (Hannan et al). 1992;123:866-72
- Increased oxygen free radical activity in patients on cardiopulmonary bypass undergoing aortocoronary bypass surgery (Prasad et al). 1992;123:37-45
- Palmaz-Schatz stent implantation in stenosed saphenous vein grafts: clinical and angiographic follow-up (Strumpf et al). 1992;123:1329-36 (Prog. cardiol.)
- Stenting of venous bypass grafts: a new treatment modality for patients who are poor candidates for reintervention (de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)
- Treatment of patients following bypass surgery: a dilemma for the 1990s (Schweiger et al). 1992;123:268-72 (Editorial)
- Ventricular dysrhythmias in patients undergoing coronary artery bypass graft surgery: incidence, characteristics and prognostic importance (Smith et al). 1992;123:73-81

**Coronary artery occlusion; see Arterial occlusive diseases****Coronary artery patency; see Vascular patency****Coronary artery spasm; see Coronary vasospasm****Coronary artery stenosis; see Coronary disease entries****Coronary blood flow; see Coronary circulation****Coronary blood flow alternans**

- Coronary blood flow alternans: a unique examination of coronary physiology and influence of intra-aortic balloon pumping (Kern and Aguirre). 1992;123:1369-73 (Brief comm.)

**Coronary circulation**

- Markedly decreased coronary blood flow in secondary polycythemia (Kershenovich et al). 1992;123:521-3 (Brief comm.)
- Relationship between the preexistent coronary collateral circulation and successful intracoronary thrombolysis for acute myocardial infarction (Araia et al). 1992;123:1452-5
- Temporal increase in resting coronary blood flow causes an impairment of coronary flow reserve after coronary angioplasty (Nanto et al). 1992;123:28-36
- Transfemoral catheterization of the coronary sinus by Doppler catheters for determination of coronary flow reserve (Tebben-Johanns et al). 1992;123:1090-1 (Brief comm.)

**Coronary disease, diagnosis**

- Detection of coronary artery disease with positron emission tomography and rubidium 82 (Grover-McKay et al). 1992;123:646-52
- Evaluation of a personal computer-based quantitative coronary analysis system for rapid assessment of coronary stenoses (Alvarez et al). 1992;123:1500-10
- Influence of exercise intensity on the presence, distribution, and size of thallium-201 defects (Heller et al). 1992;123:909-16
- Limits of thallium-201 exercise scintigraphy to detect coronary disease in patients with complete and permanent bundle branch block: a review of 134 cases (Delonca et al). 1992;123:1201-7
- Modern approaches to the diagnosis of coronary artery disease (Anderson and King). 1992;123:1312-23 (Curriculum cardiol.)
- The predictive value of silent ischemia at an exercise test before discharge after an episode of unstable coronary artery disease (Nyman et al). 1992;123:324-31
- Transesophageal echocardiographic demonstration of proximal right coronary artery dissection extending into the aortic root (Varma et al). 1992;123:1055-7 (Brief comm.)

**Coronary disease, drug therapy**

- Clinical evaluation of cardiac function by ambulatory ventricular scintigraphic monitoring (VEST): validation and study of the effects of nitroglycerin and nifedipine in patients with and without coronary artery disease (Mohiuddin et al). 1992;123:386-94
- Efficacy and electrophysiologic effects of oral sotalol in patients with sustained ventricular tachycardia caused by coronary artery disease (Kus et al). 1992;123:82-9
- Residual coronary stenoses and calculated transstenotic gradients after intravenous streptokinase versus tissue plasminogen activator (Kimball et al). 1992;123:7-14
- Synergistic action of postextrasystolic potentiation and dipyridine on left ventricular wall motion abnormalities in coronary heart disease (Marchionni et al). 1992;123:977-83

**Coronary disease, epidemiology**

- Coronary risk factors and the severity of angiographic coronary artery disease in members of high-risk pedigrees (Sharp et al). 1992;123:279-85

**Coronary disease, etiology**

- Coronary involvement in Cogan's syndrome (Livingston et al). 1992;123:528-30 (Brief comm.)

**Coronary disease, pathology**

- Oxidative status of lipoproteins in coronary disease patients (Liu et al). 1992;123:285-90
- Preangioplasty complicated coronary stenosis morphology as a predictor of restenosis (Tousoulis et al). 1992;123:15-20
- Serum albumin, coronary heart disease, and death (Gillum and Makuc). 1992;123:507-13 (Prog. cardiol.)

**Coronary disease, physiopathology**

- Comparison of gray-scale and B-color ultrasound images in evaluating left ventricular systolic function in coronary artery disease (Huang et al). 1992;123:395-402
- Coronary tandem lesions: effect of exercise (Gaglione et al). 1992;123:1487-92

- Extreme QT prolongation solely due to reversible myocardial ischemia in single-vessel coronary disease (Bijl and Verheugt). 1992;123:524-6 (Brief comm.)

- Left ventricular regional dysfunction induced by intracoronary papaverine in patients with isolated stenosis of the left anterior descending coronary artery (Foult et al). 1992;123:1493-9

**Coronary disease, prevention and control**

- Effects of design geometry of intravascular endoprostheses on stenosis rate in normal rabbits (Tominaga et al). 1992;123:21-8
- Effects of trapidil (triazolopyrimidine), a platelet-derived growth factor antagonist, in preventing restenosis after percutaneous transluminal coronary angioplasty (Okamoto et al). 1992;123:1439-44

- The intracoronary administration of urokinase following direct PTCA for acute myocardial infarction reduces early restenosis (Morishita et al). 1992;123:1153-6

- Leukocytes as a coronary risk factor in a dyslipidemic male population (Mänttari et al). 1992;123:873-7

- Lovastatin on restenosis (Marchant) (Letter); (Banka et al) (Reply). 1992;123:1724-5

**Coronary disease, surgery**

- Magnum/Magnarail versus conventional systems for recanalization of chronic total coronary occlusions: a randomized comparison (Pande et al). 1992;123:1182-6



# **Coronary disease, surgery—Cont'd**

Percutaneous directional atherectomy for discrete coronary lesions in cardiac transplant patients (Strikwerda et al). 1992;123:1686-90 (Brief comm.)

Restenosis after excimer laser angioplasty of coronary stenoses and chronic total occlusions (Buchwald et al). 1992;123:878-85

## **Coronary flow reserve; see Coronary circulation**

## **Coronary hyperemia; see Hyperemia**

## **Coronary physiology; see Heart, physiology**

## **Coronary reperfusion; see Myocardial reperfusion**

## **Coronary spasm; see Coronary vasospasm**

## **Coronary stenosis; see Coronary disease entries**

## **Coronary thrombosis**

Acute thrombotic coronary occlusion secondary to chest trauma treated with intracoronary thrombolysis (Ledley et al). 1992;123:518-21 (Brief comm.)

Antithrombotic therapy in deep vein thrombosis and pulmonary embolism (Hirsh). 1992;123:1115-22 (Symposium)

Antithrombotic therapy in left ventricular thrombosis and systemic embolism (Cregler). 1992;123:1110-4 (Symposium)

Atherogenesis and thrombosis: mechanisms, pathogenesis, and therapeutic implications (Clark). 1992;123:1106-9 (Symposium)

Cardiovascular thrombosis and cardiac arrhythmia: current and future management—introduction (Williams). 1992;123:1105 (Symposium)

Evaluation of patients with complex ventricular arrhythmias: current noninvasive and invasive methods (Fontaine). 1992;123:1123-9 (Symposium)

Free-floating left atrial thrombus and its mechanical interaction with mitral regurgitant jet assessed by color Doppler echocardiography (Rey et al). 1992;123:1067-9 (Brief comm.)

Left atrial ball thrombus in nonrheumatic atrial fibrillation diagnosed by transesophageal echocardiography (Kuo et al). 1992;123:1394-7 (Brief comm.)

On the mechanism of action of antiarrhythmic agents (Grant). 1992;123:1130-6 (Symposium)

Practical pharmacokinetics of ventricular antiarrhythmic therapy (Wright). 1992;123:1148-52 (Symposium)

Proarrhythmic effects of antiarrhythmic drugs: evolving concepts (Morganroth). 1992;123:1137-9 (Symposium)

Right atrial mobile thrombus: improved visualization by transesophageal echocardiography (Pasierski et al). 1992;123:802-3 (Brief comm.)

Successful thrombolytic therapy for prosthetic pulmonary valve thrombosis evaluated by Doppler echocardiography (Marti et al). 1992;123:1065-7 (Brief comm.)

Thrombolytic therapy for prosthetic valve thrombosis: a study based on serial Doppler echocardiographic evaluation (Vasan et al). 1992;123:1575-80

Tissue plasminogen activator lysis of a right ventricular thrombus (Kemenui and Riggs). 1992;123:1057-8 (Brief comm.)

Ventricular arrhythmias in perspective: a current view (Waldo et al). 1992;123:1140-7 (Symposium)

Ventricular thrombi and thromboembolism in dilated cardiomyopathy: a prospective follow-up study (Falk et al). 1992;123:136-42

## **Coronary vasospasm**

Exertional syncope caused by left main coronary artery spasm (Havranek and Dunbar). 1992;123:792-4 (Brief comm.)

Long-term study of recurrent vasospastic angina using coronary angiograms during ergonovine provocation tests (Ozaki et al). 1992;123:1191-8

Preservation of endothelium-dependent vasodilation in the spastic segment of the human epicardial coronary artery by substance P (Yamamoto et al). 1992;123:298-303

Various 12-lead electrocardiographic findings of diffuse three-vessel coronary artery spasm (Koh). 1992;123:1187-91

## **Coronary veins; see Coronary vessels**

## **Coronary venous retroperfusion; see Reperfusion**

## **Coronary vessel anomalies**

Anomalous left circumflex coronary artery from the right pulmonary artery: first adult case report (Garcia et al). 1992;123:526-8 (Brief comm.)

Biplane transesophageal echocardiographic study of left coronary artery to right atrium fistula (Sunaga et al). 1992;123:1058-60 (Brief comm.)

Origin of the right coronary artery from the left main coronary artery identified by transesophageal echocardiography (Smolin et al). 1992;123:1062-5 (Brief comm.)

# **Coronary vessel anomalies—Cont'd**

Two-vessel PTCA of single anomalous coronary artery (Grenadier et al). 1992;123:220-2 (Brief comm.)

## **Coronary vessels**

Angiographic demonstration of spontaneous variation in coronary artery collateral blood flow: a mechanism for post-infarction angina (Jain et al). 1992;123:1060-2 (Brief comm.)

Characteristics of shock waves induced by pulsed lasers and their effects on arterial tissue: comparison of excimer, pulse dye, and holmium YAG lasers (Tomaru et al). 1992;123:896-904

Coronary artery fistula: diagnosis by transesophageal two-dimensional and Doppler echocardiography (Kuo et al). 1992;123:218-20 (Brief comm.)

The effect of ergonovine on coronary vasodilatory reserve in patients with angiographically normal coronary arteries (Tatien et al). 1992;123:617-20

Reperfusion of the infarct-related coronary artery limits left ventricular expansion beyond myocardial salvage (Marino et al). 1992;123:1157-65

Short-term treatment with synchronized coronary venous retroperfusion before full reperfusion significantly reduces myocardial infarct size (Hatori et al). 1992;123:1166-74

Stimulation of coronary collateral growth: current developments in angiogenesis and future clinical applications (Kass et al). 1992;123:486-96 (Curriculum cardi.)

Surgical treatment of an atherosclerotic aneurysm of the left main coronary artery (Lazarus et al). 1992;123:222-4 (Brief comm.)

Venous modulation of ventricular preload (Tyberg). 1992;123:1098-104 (Editorial)

## **Correspondence; see Letters**

## **Cost benefit analysis**

Cardiac rehabilitation participation predicts lower rehospitalization costs (Ades et al). 1992;123:916-21

## **Counterpulsation**

Intraaortic balloon pump and thrombolysis in AMI (Silverman and Wetmore) (Letter); (Ohman) (Reply). 1992;123:1720

## **Coxsackieviruses**

Ultrastructural alterations of the conduction system in mice exhibiting sinus arrest or heart block during coxsackievirus B3 acute myocarditis (Terasaki et al). 1992;123:439-52

## **CPR; see Cardiopulmonary resuscitation**

## **Creatine kinase**

Early detection of coronary artery patency after thrombolysis by determination of the MM creatine kinase isoforms in patients with acute myocardial infarction (Schofer et al). 1992;123:846-53

Use of rapid serial sampling of creatine kinase MB for very early detection of myocardial infarction in patients with acute chest pain (Marin and Teichman). 1992;123:354-61

## **Curriculum in cardiology**

Curriculum in cardiology. 1992;123:181-90, 475-96, 743-67, 1027-38, 1312-28, 1610-42

## **Cyclosporine**

Amiodarone-cyclosporine interaction in cardiac transplantation (Mamprin et al). 1992;123:1725-6 (Letter)

## **D**

## **Death, sudden, cardiac**

Cardiovascular thrombosis and cardiac arrhythmia: current and future management—introduction (Williams). 1992;123:1105 (Symposium)

CPR at a college musical rehearsal (Varriale). 1992;123:1730-1 (Letter)

Dietary lipid modulation of ventricular fibrillation threshold in the marmoset monkey (McLennan et al). 1992;123:1555-61

Evaluation of patients with complex ventricular arrhythmias: current noninvasive and invasive methods (Fontaine). 1992;123:1123-9 (Symposium)

The incidence of cardiac events in Japanese men with atypical or nonanginal chest pain: a prospective study on the significance of exercise testing (Sato et al). 1992;123:1510-5

Modern approaches to the diagnosis of coronary artery disease (Anderson and King). 1992;123:1312-23 (Curriculum cardi.)

Prevention of sudden death in survivors of myocardial infarction: a decision analysis approach (Middlekauff et al). 1992;123:475-80 (Curriculum cardi.)

- Death, sudden, cardiac—Cont'd**  
Serum albumin, coronary heart disease, and death (Gillum and Makuc). 1992;123:507-13 (Prog. cardiol.)
- Decision support techniques**  
Prevention of sudden death in survivors of myocardial infarction: a decision analysis approach (Middlekauff et al). 1992;123:475-80 (Curriculum cardiol.)
- Deep vein thrombosis; see Thrombophlebitis**
- Design; see Equipment design; Prosthesis design**
- Diabetes mellitus**  
Anginal perception in diabetes (Langer) (Letter); (Umachandran and Timmis) (Reply). 1992;123:1721-2  
Decreased myocardial  $^{123}\text{I}$ -metaiodobenzylguanidine uptake is associated with disturbed left ventricular diastolic filling in diabetes (Mustonen et al). 1992;123:804-5 (Brief comm.)
- Diabetes mellitus, non-insulin-dependent**  
Silent myocardial ischemia in patients with non-insulin-dependent diabetes mellitus as judged by treadmill exercise testing and coronary angiography (Naka et al). 1992;123:46-53
- Diagnosis, computer-assisted**  
Evaluation of a personal computer-based quantitative coronary analysis system for rapid assessment of coronary stenoses (Alvarez et al). 1992;123:1500-10
- Diastole**  
Decreased myocardial  $^{123}\text{I}$ -metaiodobenzylguanidine uptake is associated with disturbed left ventricular diastolic filling in diabetes (Mustonen et al). 1992;123:804-5 (Brief comm.)  
Effects of venous return reduction in hypertensive patients: Is there a Doppler diastolic dysfunction index independent of preload reduction? (Castini et al). 1992;123:1299-306
- Diastolic filling; see Hemodynamics**
- Diet therapy**  
Superiority of nonpharmacologic therapy compared to propranolol and placebo in men with mild hypertension: a randomized, prospective trial (Kostis et al). 1992;123:466-74
- Dietary fats**  
Dietary lipid modulation of ventricular fibrillation threshold in the marmoset monkey (McLennan et al). 1992;123:1555-61
- Digoxin**  
Optimal heart rate control for patients with chronic atrial fibrillation: Are pharmacologic choices truly changing? (Zarowitz and Gheorghiade). 1992;123:1401-3 (Editorial)
- Dilatation**  
Compensatory and noncompensatory left ventricular dilatation after myocardial infarction: time course and hemodynamic consequences at rest and during exercise (Gaudron et al). 1992;123:377-85
- Dilatation, pathologic**  
Hypoplastic left heart syndrome: progression of left ventricular dilation and dysfunction to left ventricular hypoplasia in utero (Danford and Cronican). 1992;123:1712-3 (Brief comm.)
- Dilated cardiomyopathy; see Cardiomyopathy, congestive**
- Diltiazem**  
A dose-response trial of once-daily diltiazem (Felicetta et al). 1992;123:1022-6
- Diperdipine**  
Synergistic action of postextrasystolic potentiation and diperdipine on left ventricular wall motion abnormalities in coronary heart disease (Marchionni et al). 1992;123:977-83
- Dipyridamole**  
Prognostic value of dipyridamole thallium-201 scintigraphy in patients with stable chest pain (Stratmann et al). 1992;123:317-23  
Therapeutic effect of oral dipyridamole on myocardial perfusion and cardiac performance in patients with hypertrophic cardiomyopathy (Koga et al). 1992;123:433-8
- Disease models, animal**  
Reperfusion of hibernating myocardium: contractile function, high-energy phosphate content, and myocyte injury after 3 hours of sublethal ischemia and 3 hours of reperfusion in the canine model (Przyklenk et al). 1992;123:575-88
- Dissection**  
Circumferential aortic dissection in a young woman (Simons et al). 1992;123:1077-9 (Brief comm.)  
Transesophageal echocardiographic demonstration of proximal right coronary artery dissection extending into the aortic root (Varma et al). 1992;123:1055-7 (Brief comm.)  
Transesophageal echocardiographic diagnosis of acute aortic dissection complicating cocaine abuse (Om et al). 1992;123:532-4 (Brief comm.)
- d,l-Sotalol; see Sotalol**
- Dobutamine**  
Hypotension during dobutamine stress echocardiography: initial description and clinical relevance (Rosamond et al). 1992;123:403-7  
Stress-induced ST segment shift in leads  $V_{3R}$  and  $V_{4R}$  after acute myocardial infarction (Coma-Canella). 1992;123:362-8
- Doppler echocardiography; see Echocardiography, Doppler**
- Dose-response relationship, drug**  
A dose-response trial of once-daily diltiazem (Felicetta et al). 1992;123:1022-6
- Double balloon valvuloplasty; see Balloon dilatation**
- Double outlet left ventricle**  
Double-outlet left ventricle: two-dimensional echocardiographic diagnosis (Marino and Bevilacqua). 1992;123:1075-7 (Brief comm.)
- Drug interactions**  
Amiodarone-cyclosporine interaction in cardiac transplantation (Mamprin et al). 1992;123:1725-6 (Letter)
- Drug synergism**  
Synergistic action of postextrasystolic potentiation and diperdipine on left ventricular wall motion abnormalities in coronary heart disease (Marchionni et al). 1992;123:977-83
- Dual-chamber rate-adaptive pacing; see Pacemaker, artificial**
- Ductus arteriosus**  
Sequential transcatheter treatment of combined coarctation of aorta and persistent ductus arteriosus (Pavlovic et al). 1992;123:249-50 (Brief comm.)
- Ductus arteriosus, patent**  
Echocardiographic diagnosis of a mycotic aneurysm of the main pulmonary artery and patent ductus arteriosus (Vargas-Baron et al). 1992;123:1707-9 (Brief comm.)
- Dyslipidemia; see Lipids**
- Dystrophin**  
Myocardial patchy staining of dystrophin in Becker's muscular dystrophy associated with cardiomyopathy (Anan et al). 1992;123:1088-9 (Brief comm.)

## E

## ECG; see Electrocardiography

## Echocardiography

- Biplane transesophageal echocardiographic study of left coronary artery to right atrium fistula (Sunaga et al). 1992;123:1058-60 (Brief comm.)
- Biplane transesophageal echocardiography: an anatomic-ultrasonic-clinical correlative study (Wang et al). 1992;123:1027-38 (Curriculum cardiol.)
- Comparison of gray-scale and B-color ultrasound images in evaluating left ventricular systolic function in coronary artery disease (Huang et al). 1992;123:395-402
- Coronary artery fistula: diagnosis by transesophageal two-dimensional and Doppler echocardiography (Kuo et al). 1992;123:218-20 (Brief comm.)
- Development of obstruction to ventricular outflow and impairment of inflow in glycogen storage disease of the heart: serial echocardiographic studies from birth to death at 6 months (Seifert et al). 1992;123:239-42 (Brief comm.)
- Diagnosis of pericardial abnormalities by 2D-echo: a pathology-echocardiography correlation in 85 patients (Hinds et al). 1992;123:143-50
- Does asymmetric mitral valve disease predict an adverse outcome after percutaneous balloon mitral valvotomy? An echocardiographic study (Rodriguez et al). 1992;123:1678-82 (Brief comm.)
- Double-outlet left ventricle: two-dimensional echocardiographic diagnosis (Marino and Bevilacqua). 1992;123:1075-7 (Brief comm.)
- Echocardiographic demonstration of mitral block caused by left atrial spindle cell sarcoma (Shechter et al). 1992;123:232-4 (Brief comm.)
- Echocardiographic manifestations of esophageal carcinoma (D'Cruz et al). 1992;123:1703-6 (Brief comm.)
- Estimation of right ventricular volume by modified echocardiographic subtraction method (Tomita et al). 1992;123:1011-22
- Evaluation of aortic distensibility with transesophageal echocardiography (Pasiński et al). 1992;123:1288-92
- Evaluation of mitral stenosis by cine magnetic resonance imaging (Casolo et al). 1992;123:1252-60

# **Echocardiography—Cont'd**

- Hypotension during dobutamine stress echocardiography: initial description and clinical relevance (Rosamond et al). 1992;123:403-7
- Improved detection of infective endocarditis with transesophageal echocardiography (Birmingham et al). 1992;123:774-81 (Prog. cardiol.)
- Intracardiac echocardiography during simulated aortic and mitral balloon valvuloplasty: in vivo experimental studies (Schwartz et al). 1992;123:665-74
- Intraoperative transesophageal echocardiographic diagnosis of left atrial pseudoaneurysm (Ballal et al). 1992;123:217-8 (Brief comm.)
- Ischemic expansion during acute myocardial infarction and reversal by coronary reperfusion (Lim et al). 1992;123:1456-63
- Left atrial ball thrombus in nonrheumatic atrial fibrillation diagnosed by transesophageal echocardiography (Kuo et al). 1992;123:1394-7 (Brief comm.)
- Left ventricular ejection fraction is increased during transesophageal echocardiography in patients with impaired ventricular function (Stoddard et al). 1992;123:1005-10
- Left ventricular involvement in right ventricular dysplasia (Pinamonti et al). 1992;123:711-24
- Magnetic resonance imaging of suspected atrial tumors (Menegeus et al). 1992;123:1260-8
- Myocardial contrast echocardiography can depict thebesian vein outflow in humans (Cornel et al). 1992;123:1373-4 (Brief comm.)
- Origin of the right coronary artery from the left main coronary artery identified by transesophageal echocardiography (Smolin et al). 1992;123:1062-5 (Brief comm.)
- Persistent left superior vena cava in Turner's syndrome: a transesophageal echocardiographic study (Hilton et al). 1992;123:234-6 (Brief comm.)
- Postpericardiotomy syndrome complicating transvenous dual-chamber rate-adaptive pacing: diagnosis aided by transesophageal echocardiography (Lau et al). 1992;123:1388-90 (Brief comm.)
- Pseudoaneurysm of the thoracic aorta due to cardiopulmonary resuscitation: diagnosis by transesophageal echocardiography (Dorsa et al). 1992;123:1398-400 (Brief comm.)
- Right atrial mobile thrombus: improved visualization by transesophageal echocardiography (Pasierski et al). 1992;123:802-3 (Brief comm.)
- Role of transesophageal echocardiography in sinus of Valsalva aneurysm (McKenney et al). 1992;123:228-9 (Brief comm.)
- Scorpion venom cardiomyopathy (Kumar et al). 1992;123:725-9
- Severe subpulmonic outflow obstruction caused by aneurysm of the membranous ventricular septum: diagnosis by transesophageal echocardiography (Sharma et al). 1992;123:810-4 (Brief comm.)
- Subclinical traumatic aortic injury diagnosed by transesophageal echocardiography (Davis et al). 1992;123:534-6 (Brief comm.)
- Transesophageal echocardiographic demonstration of proximal right coronary artery dissection extending into the aortic root (Varma et al). 1992;123:1055-7 (Brief comm.)
- Transesophageal echocardiographic detection of aortic atheromatosis may provide clues to occult renal dysfunction in the elderly (Coy et al). 1992;123:1684-6 (Brief comm.)
- Transesophageal echocardiographic diagnosis of acute aortic dissection complicating cocaine abuse (Om et al). 1992;123:532-4 (Brief comm.)
- Transesophageal echocardiographic diagnosis of complex false aneurysm with aorto-left atrial communication complicating aortic valve and root replacement (Liddell et al). 1992;123:543-7 (Brief comm.)
- Transesophageal echocardiographic diagnosis of isolated tricuspid valve prolapse with severe tricuspid regurgitation (Liddell et al). 1992;123:230-2 (Brief comm.)
- Transesophageal echocardiographic evaluation of St. Jude Medical and bioprosthetic valve endocarditis (Alam et al). 1992;123:236-9 (Brief comm.)
- Transesophageal echocardiographic features of left ventricular pseudoaneurysm resulting after mitral valve replacement surgery (Alam et al). 1992;123:226-8 (Brief comm.)
- Transesophageal echocardiography in the diagnosis of flail tricuspid valve (Winslow et al). 1992;123:1682-4 (Brief comm.)
- The use of transesophageal echocardiography in detecting aortic atherosclerosis in patients with embolic disease (Simons et al). 1992;123:224-6 (Brief comm.)

# **Echocardiography, Doppler**

- Can signal intensity of the continuous wave Doppler regurgitant jet estimate severity of mitral regurgitation? (Utsunomiya et al). 1992;123:166-71
- Coronary artery fistula: diagnosis by transesophageal two-dimensional and Doppler echocardiography (Kuo et al). 1992;123:218-20 (Brief comm.)
- Doppler demonstration of systolic aortic regurgitation (Unger and Vandenbossche). 1992;123:805-7 (Brief comm.)
- Echocardiographic diagnosis of a mycotic aneurysm of the main pulmonary artery and patent ductus arteriosus (Vargas-Baron et al). 1992;123:1707-9 (Brief comm.)
- Effects of venous return reduction in hypertensive patients: Is there a Doppler diastolic dysfunction index independent of preload reduction? (Castini et al). 1992;123:1299-306
- Evaluation of mitral stenosis by cine magnetic resonance imaging (Casolo et al). 1992;123:1252-60
- Evaluation of the severity of mitral regurgitation by transesophageal Doppler flow echocardiography (Sadoshima et al). 1992;123:1245-51
- Free-floating left atrial thrombus and its mechanical interaction with mitral regurgitant jet assessed by color Doppler echocardiography (Rey et al). 1992;123:1067-9 (Brief comm.)
- Intraoperative determination of cardiac output by transesophageal continuous wave Doppler (Gorcsan et al). 1992;123:171-6
- The prevalence of valvular regurgitation in children with structurally normal hearts: a color Doppler echocardiographic study (Brand et al). 1992;123:177-80
- Recurrence of symptoms after percutaneous aortic balloon valvuloplasty: relationship to Doppler diastolic filling values (Barbosa et al). 1992;123:1236-44
- Successful thrombolytic therapy for prosthetic pulmonary valve thrombosis evaluated by Doppler echocardiography (Marti et al). 1992;123:1065-7 (Brief comm.)
- Temporal variability of color Doppler jet areas in patients with mitral and aortic regurgitation (Smith et al). 1992;123:953-60
- Thrombolytic therapy for prosthetic valve thrombosis: a study based on serial Doppler echocardiographic evaluation (Vasan et al). 1992;123:1575-80
- Editorials**
- Editorials. 1992;123:264-78, 817-34, 1094-104, 1401-9, 1732-9
- Education, medical, continuing**
- Hypercholesterolemia: the current educational needs of physicians (McBride et al). 1992;123:817-24 (Editorial)
- Ehlers-Danlos syndrome**
- Ehlers-Danlos syndrome with aortic regurgitation, dilation of the sinuses of Valsalva, and abnormal dermal collagen fibrils (Takahashi et al). 1992;123:1709-12 (Brief comm.)
- Ejection fraction; see Stroke volume**
- Electric countershock**
- Electrical cardioversion after amiodarone administration (Sagrasta-Saulea et al). 1992;123:1536-42
- Prevention of sudden death in survivors of myocardial infarction: a decision analysis approach (Middlekauff et al). 1992;123:475-80 (Curriculum cardi.)
- Transesophageal low-energy synchronous cardioversion of atrial flutter/fibrillation in the dog (Yamanouchi et al). 1992;123:417-20
- Twiddler's syndrome with the implantable cardioverter-defibrillator (Mehta et al). 1992;123:1079-82 (Brief comm.)
- Electric stimulation**
- Does programmed stimulation really help in the evaluation of patients with nonsustained ventricular tachycardia? Results of a meta-analysis (Kowey et al). 1992;123:481-5 (Curriculum cardi.)
- Electrical catheter ablation; see Electrocoagulation**
- Electrocardiography**
- A combination of electrocardiographic methods represents a further step toward the noninvasive identification of patients with syndrome X (Burton et al). 1992;123:53-8
- Extreme QT prolongation solely due to reversible myocardial ischemia in single-vessel coronary disease (Bijl and Verheugt). 1992;123:524-6 (Brief comm.)
- False positive signal-averaged ECG produced by junctional rhythm with retrograde P waves (Taylor et al). 1992;123:1701-3 (Brief comm.)
- Importance of the standard electrocardiogram in ambulatory (Holter) electrocardiography (Kennedy). 1992;123:1660-77 (Prog. cardi.)



**Electrocardiography—Cont'd**

- Influence of right ventricular ischemia on septal Q waves determined by coronary angioplasty (Tamura et al). 1992;123:1198-201
- Optimal late potential criteria for reducing false positive signal-averaged electrocardiograms (Moser et al). 1992;123:412-6
- Patterns of beat-to-beat heart rate variability in advanced heart failure (Woo et al). 1992;123:704-10
- The predictive value of the time course of ST segment depression during exercise testing in patients referred for coronary angiograms (Ellestad et al). 1992;123:904-8
- The relationship between 1-year mortality and infarct location in patients with non-Q wave myocardial infarction (Schechtman et al). 1992;123:1175-81
- The relationship between ECG signs of atrial infarction and the development of supraventricular arrhythmias in patients with acute myocardial infarction (Nielsen et al). 1992;123:69-72
- Relative importance of emergency medical system transport and the prehospital electrocardiogram on reducing hospital time delay to therapy for acute myocardial infarction: a preliminary report from the Cincinnati Heart Project (Kereiakes et al). 1992;123:835-40
- The RSR' complex not related to right bundle branch block: diagnostic value as a sign of myocardial infarction scar (Variale and Chrysos). 1992;123:369-76
- Stress-induced ST segment shift in leads  $V_{4R}$  and  $V_{4R}$  after acute myocardial infarction (Coma-Canella). 1992;123:362-8
- Sudden appearance of giant negative T waves in patients with hypertrophic cardiomyopathy (Alfonso et al). 1992;123:1392-4 (Brief comm.)
- Unexpected PR prolongation following nonconducted atrial extrasystoles: a manifestation of concealed reentry (Oreto et al). 1992;123:798-9 (Brief comm.)
- Various 12-lead electrocardiographic findings of diffuse three-vessel coronary artery spasm (Koh). 1992;123:1187-91

**Electrocardiography, ambulatory**

- Effects of coronary artery bypass surgery and angioplasty on the total ischemic burden: a study of exercise testing and ambulatory ST segment monitoring (Mulcahy et al). 1992;123:597-603
- Efficacy of three-channel ambulatory electrocardiographic monitoring for the detection of myocardial ischemia (Shandling et al). 1992;123:310-6
- Importance of the standard electrocardiogram in ambulatory (Holter) electrocardiography (Kennedy). 1992;123:1660-77 (Prog. cardiol.)

**Electrocoagulation**

- An attempt at electrical catheter ablation of the arrhythmogenic area in idiopathic ventricular fibrillation (Aizawa et al). 1992;123:257-60 (Brief comm.)
- Catheter fulguration ablation of left atrial ectopic tachycardia in a child (Young et al). 1992;123:253-4 (Brief comm.)
- Successful radiofrequency catheter ablation of an atrial ectopic tachycardia in an adolescent (Lau et al). 1992;123:1384-6 (Brief comm.)

**Electrodes, implanted**

- Superior vena cava thrombosis due to pacing electrodes: successful treatment with combined thrombolysis and angioplasty (Sunder et al). 1992;123:790-2 (Brief comm.)
- Twiddler's syndrome with the implantable cardioverter-defibrillator (Mehta et al). 1992;123:1079-82 (Brief comm.)

**Electrophysiology**

- Antiarrhythmic drug exacerbation of ventricular tachycardia inducibility during electrophysiologic study (Sager et al). 1992;123:926-33
- Efficacy and electrophysiologic effects of oral sotalol in patients with sustained ventricular tachycardia caused by coronary artery disease (Kus et al). 1992;123:82-9
- Ventricular tachycardia in plasma cell dyscrasia syndrome (Grubelich and Venditti). 1992;123:800-2 (Brief comm.)

**Embolism**

- Antithrombotic therapy in left ventricular thrombosis and systemic embolism (Cregler). 1992;123:1110-4 (Symposium)
- The use of transesophageal echocardiography in detecting aortic atherosclerosis in patients with embolic disease (Simons et al). 1992;123:224-6 (Brief comm.)

**Emergency medical services**

- Prehospital diagnosis and treatment of acute myocardial infarction: a critical review (Kowalenko et al). 1992;123:181-90 (Curriculum cardiol.)

**Emergency medical services—Cont'd**

- Relative importance of emergency medical system transport and the prehospital electrocardiogram on reducing hospital time delay to therapy for acute myocardial infarction: a preliminary report from the Cincinnati Heart Project (Kereiakes et al). 1992;123:835-40

**Emergency transport; see Ambulances****Enalapril**

- Circulatory and extracirculatory effects of angiotensin-converting enzyme inhibition (Weber et al). 1992;123:1414-20 (Symposium)

**End-organ damage**

- New insights and approaches to reduce end-organ damage in the treatment of hypertension: subsets of hypertension approach (Houston). 1992;123:1337-67 (Special report)

**Endocarditis**

- Improved detection of infective endocarditis with transesophageal echocardiography (Birmingham et al). 1992;123:774-81 (Prog. cardiol.)
- Transesophageal echocardiographic diagnosis of complex false aneurysm with aorto-left atrial communication complicating aortic valve and root replacement (Liddell et al). 1992;123:543-7 (Brief comm.)
- Transesophageal echocardiographic evaluation of St. Jude Medical and bioprosthetic valve endocarditis (Alam et al). 1992;123:236-9 (Brief comm.)

**Endomyocardial fibrosis**

- MRI in right ventricular endomyocardial fibrosis (D'Silva et al). 1992;123:1390-2 (Brief comm.)

**Endoprosthesis; see Blood vessel prosthesis****Endothelins**

- Age- and sex-related variation of plasma endothelin-1 concentration in normal and hypertensive subjects (Miyauchi et al). 1992;123:1092-3 (Brief comm.)

**Endothelium, vascular**

- Activated neutrophils aggravate endothelial dysfunction after reperfusion of the ischemic feline myocardium (Tsao et al). 1992;123:1464-71
- Preservation of endothelium-dependent vasodilation in the spastic segment of the human epicardial coronary artery by substance P (Yamamoto et al). 1992;123:298-303

**Endothelium-derived relaxing factor**

- Activated neutrophils aggravate endothelial dysfunction after reperfusion of the ischemic feline myocardium (Tsao et al). 1992;123:1464-71

**Environment**

- Coronary risk factors and the severity of angiographic coronary artery disease in members of high-risk pedigrees (Sharp et al). 1992;123:279-85

**Epoprostenol**

- Inhibition of platelet aggregation by prostacyclin is attenuated after exercise in patients with angina pectoris (Kishi et al). 1992;123:291-7

**Equipment and supplies**

- Abrupt coronary artery occlusion during percutaneous transluminal coronary angioplasty (de Feyter et al). 1992;123:1633-42 (Curriculum cardiol.)
- Catheter optimization during contrast ventriculography: a prospective randomized trial (Lehmann et al). 1992;123:1273-8
- Characteristics of shock waves induced by pulsed lasers and their effects on arterial tissue: comparison of excimer, pulse dye, and holmium YAG lasers (Tomaru et al). 1992;123:896-904
- Comparison between single (Inoue) and double balloon mitral valvuloplasty: immediate and short-term results (Abdullah et al). 1992;123:1581-8
- Comparison of ablation efficacy of excimer, pulsed-dye, and holmium-YAG lasers relevant to shock waves (Tomaru et al). 1992;123:886-95
- Efficacy of three-channel ambulatory electrocardiographic monitoring for the detection of myocardial ischemia (Shandling et al). 1992;123:310-6
- Evaluation of a personal computer-based quantitative coronary analysis system for rapid assessment of coronary stenoses (Alvarez et al). 1992;123:1500-10
- Novel coronary interventional devices: an update (Lau and Sigwart). 1992;123:497-506 (Prog. cardiol.)
- Role of "buttoned" double-disc device in the management of atrial septal defects (Rao et al). 1992;123:191-200 (Prog. cardiol.)

# Equipment design

Effects of design geometry of intravascular endoprostheses on stenosis rate in normal rabbits (Tominaga et al). 1992;123:21-8

# Equipment failure

Twiddler's syndrome with the implantable cardioverter-defibrillator (Mehta et al). 1992;123:1079-82 (Brief comm.)

# Ergonovine

The effect of ergonovine on coronary vasodilatory reserve in patients with angiographically normal coronary arteries (Tatini et al). 1992;123:617-20

Long-term study of recurrent vasospastic angina using coronary angiograms during ergonovine provocation tests (Ozaki et al). 1992;123:1191-8

# Eruic acids

Toxic oil syndrome (Fitzpatrick) (Letter); (James) (Reply). 1992;123:1722-3

# Esophageal neoplasms

Echocardiographic manifestations of esophageal carcinoma (D'Cruz et al). 1992;123:1703-6 (Brief comm.)

# Esters

Carnitine and its acyl esters as secondary antioxidants? (Arduini). 1992;123:1726-7 (Letter)

# Excimer laser angioplasty; see Angioplasty, laser

# Exercise

Superiority of nonpharmacologic therapy compared to propranolol and placebo in men with mild hypertension: a randomized, prospective trial (Kostis et al). 1992;123:466-74

# Exercise test

Augmented norepinephrine and renin output in response to maximal exercise in hypertensive coarctectomy patients (Ross et al). 1992;123:1293-9

Chronotropic incompetence: a common and progressive finding in pacemaker patients (Gwinn et al). 1992;123:1216-9

Combined assessment of technetium-99m SESTAMIBI planar myocardial perfusion images at rest and during exercise with rest/exercise left ventricular wall motion studies evaluated from gated myocardial perfusion studies (Verzijlbergen et al). 1992;123:59-68

Compensatory and noncompensatory left ventricular dilatation after myocardial infarction: time course and hemodynamic consequences at rest and during exercise (Gaudron et al). 1992;123:377-85

Coronary tandem lesions: effect of exercise (Gaglione et al). 1992;123:1487-92

Early exercise testing after successful percutaneous transluminal coronary angioplasty: a word of caution (Sionis et al). 1992;123:530-2 (Brief comm.)

Effects of coronary artery bypass surgery and angioplasty on the total ischemic burden: a study of exercise testing and ambulatory ST segment monitoring (Mulcahy et al). 1992;123:597-603

Exertional syncope caused by left main coronary artery spasm (Havranek and Dunbar). 1992;123:792-4 (Brief comm.)

The incidence of cardiac events in Japanese men with atypical or nonanginal chest pain: a prospective study on the significance of exercise testing (Sato et al). 1992;123:1510-5

Increased stiffness and persistent narrowing of the aorta after successful repair of coarctation of the aorta: relationship to left ventricular mass and blood pressure at rest and with exercise (Ong et al). 1992;123:1594-600

Influence of exercise intensity on the presence, distribution, and size of thallium-201 defects (Heller et al). 1992;123:909-16

Inhibition of platelet aggregation by prostacyclin is attenuated after exercise in patients with angina pectoris (Kishi et al). 1992;123:291-7

Limits of thallium-201 exercise scintigraphy to detect coronary disease in patients with complete and permanent bundle branch block: a review of 134 cases (Delonca et al). 1992;123:1201-7

Mechanisms for an abnormal radionuclide left ventricular ejection fraction response to exercise in patients with chronic, severe aortic regurgitation (Stewart et al). 1992;123:453-61

Predictive accuracy of criteria used to assess maximal oxygen consumption (Stachenfeld et al). 1992;123:922-5

The predictive value of silent ischemia at an exercise test before discharge after an episode of unstable coronary artery disease (Nyman et al). 1992;123:324-31

The predictive value of the time course of ST segment depression during exercise testing in patients referred for coronary angiograms (Ellestad et al). 1992;123:904-8

# Exercise test—Cont'd

Silent myocardial ischemia in patients with non-insulin-dependent diabetes mellitus as judged by treadmill exercise testing and coronary angiography (Naka et al). 1992;123:46-53

# Exercise therapy

Cardiac rehabilitation participation predicts lower rehospitalization costs (Ades et al). 1992;123:916-21

# Extrasystole

Synergistic action of postextrasystolic potentiation and dipyridine on left ventricular wall motion abnormalities in coronary heart disease (Marchionni et al). 1992;123:977-83

Unexpected PR prolongation following nonconducted atrial extrasystoles: a manifestation of concealed reentry (Oreto et al). 1992;123:798-9 (Brief comm.)

Ventricular dysrhythmias in patients undergoing coronary artery bypass graft surgery: incidence, characteristics and prognostic importance (Smith et al). 1992;123:73-81

## F

# False aneurysm; see Aneurysm

# False positive reactions

False positive signal-averaged ECG produced by junctional rhythm with retrograde P waves (Taylor et al). 1992;123:1701-3 (Brief comm.)

Optimal late potential criteria for reducing false positive signal-averaged electrocardiograms (Moser et al). 1992;123:412-6

# Felodipine

Hemodynamic effects of the vascular selective calcium antagonist felodipine in patients with impaired left ventricular function (Gradman). 1992;123:273-8 (Editorial)

# Femoral artery

Repair of postcatheterization femoral pseudoaneurysms by color flow ultrasound guided compression (Fellmeth et al). 1992;123:547-51 (Brief comm.)

# Femoral nerve

Bilateral femoral neuropathy caused by iliaca hematomas during anticoagulation after cardiac catheterization (Puéchal et al). 1992;123:262-3 (Brief comm.)

# Fenestration

Tricuspid atresia associated with aortopulmonary window: controlling pulmonary blood flow with a fenestrated patch (Geva et al). 1992;123:260-2 (Brief comm.)

# Fetal heart

Effects of external constraint on the fetal left ventricular function curve (Grant et al). 1992;123:1601-9

Hypoplastic left heart syndrome: progression of left ventricular dilation and dysfunction to left ventricular hypoplasia in utero (Danford and Cronican). 1992;123:1712-3 (Brief comm.)

# Fistula

Biplane transesophageal echocardiographic study of left coronary artery to right atrium fistula (Sunaga et al). 1992;123:1058-60 (Brief comm.)

# Flail tricuspid valve; see Tricuspid valve

# Flecainide acetate

Flecainide therapy in patients treated for supraventricular tachycardia with near normal left ventricular function (Hughes et al). 1992;123:408-12

# Fluorescence

Characterization of ultraviolet laser-induced autofluorescence of ceroid deposits and other structures in atherosclerotic plaques as a potential diagnostic for laser angiography (Verbunt et al). 1992;123:208-16 (Prog. cardiol.)

# Food labeling

Toxic oil syndrome (Fitzpatrick) (Letter); (James) (Reply). 1992;123:1722-3

# Free radical scavengers

Reduction of reperfusion injury with preoperative rapid intravenous infusion of taurine during myocardial revascularization (Milei et al). 1992;123:339-45

# Free radicals

Increased oxygen free radical activity in patients on cardiopulmonary bypass undergoing aortocoronary bypass surgery (Prasad et al). 1992;123:37-45

## G

**Gated blood-pool imaging**

Combined assessment of technetium-99m SESTAMIBI planar myocardial perfusion images at rest and during exercise with rest/exercise left ventricular wall motion studies evaluated from gated myocardial perfusion studies (Verzijlbergen et al). 1992;123:59-68

Magnetic resonance imaging in acute and subacute mediastinal bleeding (Seelos et al). 1992;123:1269-72

**Gender differences; see Sex factors****Genetics**

Coronary risk factors and the severity of angiographic coronary artery disease in members of high-risk pedigrees (Sharp et al). 1992;123:279-85

Familial total atrial standstill (Shah et al). 1992;123:1379-82 (Brief comm.)

**Giant negative T waves; see Echocardiography****Glyceryl trinitrate**

Clinical evaluation of cardiac function by ambulatory ventricular scintigraphic monitoring (VEST): validation and study of the effects of nitroglycerin and nifedipine in patients with and without coronary artery disease (Mohiuddin et al). 1992;123:386-94

**Glycogen storage disease**

Development of obstruction to ventricular outflow and impairment of inflow in glycogen storage disease of the heart: serial echocardiographic studies from birth to death at 6 months (Seifert et al). 1992;123:239-42 (Brief comm.)

**Gradient echo magnetic resonance imaging; see Magnetic resonance imaging****Graft occlusion, vascular**

Stenting of venous bypass grafts: a new treatment modality for patients who are poor candidates for reintervention (de Scheerder et al). 1992;123:1046-54 (Prog. cardi.)

**Gray-scale ultrasound images; see Echocardiography****Growth substances**

Effects of trapidil (triazolopyrimidine), a platelet-derived growth factor antagonist, in preventing restenosis after percutaneous transluminal coronary angioplasty (Okamoto et al). 1992;123:1439-44

Stimulation of coronary collateral growth: current developments in angiogenesis and future clinical applications (Kass et al). 1992;123:486-96 (Curriculum cardi.)

**Guanethidine**

Decreased myocardial  $^{123}\text{I}$ -metaiodobenzylguanidine uptake is associated with disturbed left ventricular diastolic filling in diabetes (Mustonen et al). 1992;123:804-5 (Brief comm.)

## H

**Health education**

Pulling it all together: changing the cardiovascular outlook (Kannel and Wolf). 1992;123:264-7 (Editorial)

**Hearing loss, sensorineural**

Coronary involvement in Cogan's syndrome (Livingston et al). 1992;123:528-30 (Brief comm.)

**Heart, drug effects**

Delayed cardiotoxicity during treatment with intravenous pentamidine: two case reports and a review of the literature (Quadrel et al). 1992;123:1377-9 (Brief comm.)

Recombinant interleukin-2 and recombinant interferon  $\alpha$  immunotherapy cardiovascular toxicity (Schechter and Nagler). 1992;123:1736-9 (Editorial)

**Heart, physiology**

Coronary blood flow alternans: a unique examination of coronary physiology and influence of intra-aortic balloon pumping (Kern and Aguirre). 1992;123:1369-73 (Brief comm.)

Does blood pressure reduction necessarily compromise cardiac function or renal hemodynamics? Effects of the angiotensin-converting enzyme inhibitor quinapril (Kjeldsen et al). 1992;123:1433-8 (Symposium)

**Heart arrest**

CPR at a college musical rehearsal (Varriale). 1992;123:1730-1 (Letter)

Ultrastructural alterations of the conduction system in mice exhibiting sinus arrest or heart block during coxsackievirus B3 acute myocarditis (Terasaki et al). 1992;123:439-52

**Heart atrium, abnormalities**

Biplane transesophageal echocardiographic study of left coronary artery to right atrial fistula (Sunaga et al). 1992;123:1058-60 (Brief comm.)

**Heart atrium, pathology**

Echocardiographic demonstration of mitral block caused by left atrial spindle cell sarcoma (Shechter et al). 1992;123:232-4 (Brief comm.)

Familial total atrial standstill (Shah et al). 1992;123:1379-82 (Brief comm.)

Free-floating left atrial thrombus and its mechanical interaction with mitral regurgitant jet assessed by color Doppler echocardiography (Rey et al). 1992;123:1067-9 (Brief comm.)

Intraoperative transesophageal echocardiographic diagnosis of left atrial pseudoaneurysm (Ballal et al). 1992;123:217-8 (Brief comm.)

Magnetic resonance imaging of suspected atrial tumors (Meneus et al). 1992;123:1260-8

The syndrome of right atrial myxoma, spotty skin pigmentation, and acromegaly (Yen et al). 1992;123:243-4 (Brief comm.)

**Heart atrium, secretion**

Direct secretion from left atrium and pulmonary extraction of human atrial natriuretic peptide (Akaiki et al). 1992;123:984-9

Pulmonary extraction and left atrial secretion of atrial natriuretic factor during cardiopulmonary bypass surgery (Northridge et al). 1992;123:698-703

**Heart auscultation**

Auscultated growl of myocardial rupture (Bloom and Rosen). 1992;123:1730 (Letter)

**Heart block**

Atrioventricular block during adenosine thallium imaging (Lee et al). 1992;123:1569-74

Chronotropic incompetence: a common and progressive finding in pacemaker patients (Gwinn et al). 1992;123:1216-9

Congenital complete heart block in a neonate (Saxena et al). 1992;123:1706-7 (Brief comm.)

Echocardiographic demonstration of mitral block caused by left atrial spindle cell sarcoma (Shechter et al). 1992;123:232-4 (Brief comm.)

Ultrastructural alterations of the conduction system in mice exhibiting sinus arrest or heart block during coxsackievirus B3 acute myocarditis (Terasaki et al). 1992;123:439-52

**Heart catheterization**

Bilateral femoral neuropathy caused by iliacus hematomas during anticoagulation after cardiac catheterization (Puechal et al). 1992;123:262-3 (Brief comm.)

Catheter optimization during contrast ventriculography: a prospective randomized trial (Lehmann et al). 1992;123:1273-8

Failure or success of complex catheter-based interventional procedures assessed by intravascular ultrasound (Keren et al). 1992;123:200-8 (Prog. cardi.)

Intravascular ultrasound in coronary atherosclerosis: a new approach to clinical assessment (Liebson and Klein). 1992;123:1643-60 (Prog. cardi.)

Percutaneous mitral valvotomy by Inoue catheter in young patients with mitral stenosis (Natarajan et al). 1992;123:541-3 (Brief comm.)

Repair of postcatheterization femoral pseudoaneurysms by color flow ultrasound guided compression (Fellmeth et al). 1992;123:547-51 (Brief comm.)

Role of "buttoned" double-disc device in the management of atrial septal defects (Rao et al). 1992;123:191-200 (Prog. cardi.)

Sequential transcatheter treatment of combined coarctation of aorta and persistent ductus arteriosus (Pavlovic et al). 1992;123:249-50 (Brief comm.)

Transfemoral catheterization of the coronary sinus by Doppler catheters for determination of coronary flow reserve (Tebbenjohannis et al). 1992;123:1090-1 (Brief comm.)

**Heart conduction system**

Dual ventriculoatrial conduction caused by closely approximated accessory atrioventricular pathways (Fujimura et al). 1992;123:251-2 (Brief comm.)

Ultrastructural alterations of the conduction system in mice exhibiting sinus arrest or heart block during coxsackievirus B3 acute myocarditis (Terasaki et al). 1992;123:439-52

**Heart defects, congenital**

Hypoplastic left heart syndrome: progression of left ventricular dilation and dysfunction to left ventricular hypoplasia in utero (Danford and Cronican). 1992;123:1712-3 (Brief comm.)



# **Heart defects, congenital—Cont'd**

Hypoplastic left heart syndrome: report of a case of spontaneous survival to adulthood (Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)

# **Heart failure, congestive**

Clinical profile and outcome of restrictive cardiomyopathy in children (Lewis). 1992;123:1589-93

Effects of chronic congestive heart failure on 24-hour blood pressure and heart rate patterns: a hemodynamic approach (van de Borne et al). 1992;123:998-1004

Heart rate variations during isoproterenol infusion in congestive heart failure: relationships to cardiac mortality (Brembilla-Perrot). 1992;123:989-92

Hemodynamic effects of *d*-sotalol in acute ischemic heart failure in dogs (Mortensen et al). 1992;123:970-7

Left ventricular shape: a factor in the etiology of functional mitral regurgitation in heart failure (Sabbah et al). 1992;123:961-6

Lung and myocardial thallium-201 kinetics in resting patients with congestive heart failure: correlation with pulmonary capillary wedge pressure (Martinez et al). 1992;123:427-32

Lymphocytic active myocarditis characterized by numerous clusters of lymphocytes: A chronic variant of myocarditis? (Okabe et al). 1992;123:128-36

Metabolic and cardiovascular benefits deriving from  $\beta$ -adrenergic blockade in chronic congestive heart failure (Paolisso et al). 1992;123:103-10

A multicenter, randomized, double-blind, placebo-controlled trial of pimobendan, a new cardiotonic and vasodilator agent, in patients with severe congestive heart failure (Katz et al). 1992;123:95-103

Patterns of beat-to-beat heart rate variability in advanced heart failure (Woo et al). 1992;123:704-10

Predictors of prognosis in severe chronic heart failure (Parameshwar et al). 1992;123:421-6

Survival of heart failure patients with preserved versus impaired systolic function: the prognostic implication of blood pressure (Ghali et al). 1992;123:993-7

# **Heart function tests**

Clinical evaluation of cardiac function by ambulatory ventricular scintigraphic monitoring (VEST): validation and study of the effects of nitroglycerin and nifedipine in patients with and without coronary artery disease (Mohiuddin et al). 1992;123:386-94

Therapeutic effect of oral dipyradimole on myocardial perfusion and cardiac performance in patients with hypertrophic cardiomyopathy (Koga et al). 1992;123:433-8

# **Heart neoplasms**

Magnetic resonance imaging of suspected atrial tumors (Mene-gus et al). 1992;123:1260-8

Malignant mesenchymoma as a primary cardiac tumor (McK-enney et al). 1992;123:1071-5 (Brief comm.)

Self-limited acute pericarditis as initial manifestation of primary cardiac tumor (Galve et al). 1992;123:1690-2 (Brief comm.)

# **Heart rate**

Chronic  $\beta_1$ -blocker treatment and cardiac  $\beta_2$ -adrenoceptor function (Brodde). 1992;123:1727-8 (Letter)

Chronotropic incompetence: a common and progressive finding in pacemaker patients (Gwinn et al). 1992;123:1216-9

Circadian variation of spectral indices of heart rate variability after myocardial infarction (Lombardi et al). 1992;123:1521-9

Effects of chronic congestive heart failure on 24-hour blood pressure and heart rate patterns: a hemodynamic approach (van de Borne et al). 1992;123:998-1004

Familial total atrial standstill (Shah et al). 1992;123:1379-82 (Brief comm.)

Heart rate variations during isoproterenol infusion in congestive heart failure: relationships to cardiac mortality (Brembilla-Perrot). 1992;123:989-92

Improved rate control in atrial fibrillation (Reiffel). 1992;123:1094-8 (Editorial)

Minimum heart rate and coronary atherosclerosis: independent relations to global severity and rate of progression of angiographic lesions in men with myocardial infarction at a young age (Perski et al). 1992;123:609-16

Optimal heart rate control for patients with chronic atrial fibrillation: Are pharmacologic choices truly changing? (Zarowitz and Gheorghiadu). 1992;123:1401-3 (Editorial)

Patterns of beat-to-beat heart rate variability in advanced heart failure (Woo et al). 1992;123:704-10

# **Heart rupture**

Auscultated growl of myocardial rupture (Bloom and Rosen). 1992;123:1730 (Letter)

# **Heart septal defects, atrial**

Role of "buttoned" double-disc device in the management of atrial septal defects (Rao et al). 1992;123:191-200 (Prog. cardiol.)

# **Heart septum**

Severe subpulmonic outflow obstruction caused by aneurysm of the membranous ventricular septum: diagnosis by transe-sophageal echocardiography (Sharma et al). 1992;123:810-4 (Brief comm.)

# **Heart sounds**

Auscultated growl of myocardial rupture (Bloom and Rosen). 1992;123:1730 (Letter)

False positive signal-averaged ECG produced by junctional rhythm with retrograde P waves (Taylor et al). 1992;123:1701-3 (Brief comm.)

Junctional rhythm and atrial contraction: a mechanism for systolic sound (Langhorne and Phillips). 1992;123:1699-701 (Brief comm.)

# **Heart surgery, complications**

Efficacy of intravenous propafenone in acute atrial fibrillation complicating open-heart surgery (Gentili et al). 1992;123:1225-8

# **Heart surgery, methods**

Corrective surgery for tricuspid atresia: Which modification of Fontan-Kreutzer procedure should be used? A review (Chopra and Rao). 1992;123:758-67 (Curriculum cardiol.)

Magnum/Magnarail versus conventional systems for recanalization of chronic total coronary occlusions: a randomized comparison (Pande et al). 1992;123:1182-6

# **Heart transplantation**

Amiodarone-cyclosporine interaction in cardiac transplantation (Mamprin et al). 1992;123:1725-6 (Letter)

Angiographic and intracoronary flow velocity reversal in a transplanted heart: a common etiology for an uncommon condition (Donohue et al). 1992;123:1374-7 (Brief comm.)

Percutaneous directional atherectomy for discrete coronary lesions in cardiac transplant patients (Strikwerda et al). 1992;123:1686-90 (Brief comm.)

# **Heart valve diseases**

Does asymmetric mitral valve disease predict an adverse outcome after percutaneous balloon mitral valvotomy? An echocardiographic study (Rodriguez et al). 1992;123:1678-82 (Brief comm.)

Morphologic aspects of cardiac valve dysfunction (Roberts). 1992;123:1610-32 (Curriculum cardiol.)

Transepophageal echocardiography in the diagnosis of flail tricuspid valve (Winslow et al). 1992;123:1682-4 (Brief comm.)

# **Heart valve prosthesis**

Evaluation of the severity of mitral regurgitation by transe-sophageal Doppler flow echocardiography (Sadoshima et al). 1992;123:1245-51

Hemodynamic evaluation of the Carbomedics prosthetic heart valve in the aortic position: comparison of noninvasive and invasive techniques (Ihlen et al). 1992;123:151-9

Successful thrombolytic therapy for prosthetic pulmonary valve thrombosis evaluated by Doppler echocardiography (Marti et al). 1992;123:1065-7 (Brief comm.)

Thrombolytic therapy for prosthetic valve thrombosis: a study based on serial Doppler echocardiographic evaluation (Vasan et al). 1992;123:1575-80

Transepophageal echocardiographic diagnosis of complex false aneurysm with aorto-left atrial communication complicating aortic valve and root replacement (Liddell et al). 1992;123:543-7 (Brief comm.)

Transepophageal echocardiographic evaluation of St. Jude Medical and bioprosthetic valve endocarditis (Alam et al). 1992;123:236-9 (Brief comm.)

Transepophageal echocardiographic features of left ventricular pseudoaneurysm resulting after mitral valve replacement surgery (Alam et al). 1992;123:226-8 (Brief comm.)

# **Heart ventricle, abnormalities**

Determinants of ventricular ectopy in hypertensive cardiac hypertrophy (Schmieder and Messerli). 1992;123:89-95

Double-outlet left ventricle: two-dimensional echocardiographic diagnosis (Marino and Bevilacqua). 1992;123:1075-7 (Brief comm.)

**Heart ventricle, abnormalities—Cont'd**

Hypoplastic left heart syndrome: progression of left ventricular dilation and dysfunction to left ventricular hypoplasia in utero (Danford and Cronican). 1992;123:1712-3 (Brief comm.)

**Heart ventricle, anatomy**

Effect of cilazapril on regional left ventricular wall thickness and chamber dimension following acute myocardial infarction: in vivo assessment using MRI (Saeed et al). 1992;123:1472-80

Increased stiffness and persistent narrowing of the aorta after successful repair of coarctation of the aorta: relationship to left ventricular mass and blood pressure at rest and with exercise (Ong et al). 1992;123:1594-600

Left ventricular shape: a factor in the etiology of functional mitral regurgitation in heart failure (Sabbah et al). 1992;123:961-6

**Heart ventricle, pathology**

Compensatory and noncompensatory left ventricular dilatation after myocardial infarction: time course and hemodynamic consequences at rest and during exercise (Gaudron et al). 1992;123:377-85

Influence of right ventricular ischemia on septal Q waves determined by coronary angioplasty (Tamura et al). 1992;123:1198-201

Left ventricular involvement in right ventricular dysplasia (Pinamonti et al). 1992;123:711-24

Tissue plasminogen activator lysis of a right ventricular thrombus (Kemennu and Riggs). 1992;123:1057-8 (Brief comm.)

Transesophageal echocardiographic features of left ventricular pseudoaneurysm resulting after mitral valve replacement surgery (Alam et al). 1992;123:226-8 (Brief comm.)

**Hematoma**

Bilateral femoral neuropathy caused by iliopsoas hematomas during anticoagulation after cardiac catheterization (Puechal et al). 1992;123:262-3 (Brief comm.)

Magnetic resonance imaging in acute and subacute mediastinal bleeding (Seelos et al). 1992;123:1269-72

Paradoxical right ventricular wall motion in postsurgical anterior cardiac compression by hematoma (D'Cruz et al). 1992;123:1069-71 (Brief comm.)

**Hemodialysis**

Hemodialysis-induced subaortic obstruction in asymmetric septal hypertrophy (Rhodes et al). 1992;123:807-10 (Brief comm.)

**Hemodynamics**

Comparison of Inoue single-balloon versus double-balloon technique for percutaneous mitral valvotomy (Ruiz et al). 1992;123:942-7

Compensatory and noncompensatory left ventricular dilatation after myocardial infarction: time course and hemodynamic consequences at rest and during exercise (Gaudron et al). 1992;123:377-85

Does blood pressure reduction necessarily compromise cardiac function or renal hemodynamics? Effects of the angiotensin-converting enzyme inhibitor quinapril (Kjeldsen et al). 1992;123:1433-8 (Symposium)

Effects of chronic congestive heart failure on 24-hour blood pressure and heart rate patterns: a hemodynamic approach (van de Borne et al). 1992;123:998-1004

Hemodynamic effects of *d*-sotalol in acute ischemic heart failure in dogs (Mortensen et al). 1992;123:970-7

Hemodynamic effects of the vascular selective calcium antagonist felodipine in patients with impaired left ventricular function (Gradman). 1992;123:273-8 (Editorial)

Hemodynamic evaluation of the Carbomedics prosthetic heart valve in the aortic position: comparison of noninvasive and invasive techniques (Ihlen et al). 1992;123:151-9

The importance of pericardial constraint in experimental pulmonary embolism and volume loading (Belenkie et al). 1992;123:733-42

Reurrence of symptoms after percutaneous aortic balloon valvuloplasty: relationship to Doppler diastolic filling values (Barbosa et al). 1992;123:1236-44

The right and left ventricular intracavitary and transmural pressure-strain relationships (Traboulsi et al). 1992;123:1279-87

Short- and long-term antiarrhythmic and hemodynamic effects of *d,l*-sotalol in patients with symptomatic ventricular arrhythmias (Hohnloser et al). 1992;123:1220-4

**Hemorrhage**

Magnetic resonance imaging in acute and subacute mediastinal bleeding (Seelos et al). 1992;123:1269-72

**Heparin**

A comparison between intravenous streptokinase and tissue plasminogen activator with early intravenous heparin in acute myocardial infarction (Cherng et al). 1992;123:841-6

Efficacy and safety of early versus late initiation of warfarin during heparin therapy in acute thromboembolism (Mohiuddin et al). 1992;123:729-32

The relationship of anticoagulation level and complications after successful percutaneous transluminal coronary angioplasty (McGarry et al). 1992;123:1445-51

**Hereditary diseases**

Autosomal dominant inherited ventricular tachycardia (Rubin et al). 1992;123:1082-4 (Brief comm.)

**Hibernation, artificial; see Hypothermia, induced****Historical article**

Unrecognized contributions in cardiovascular research (Freis). 1992;123:824-34 (Editorial)

**Holmium-YAG laser surgery; see Laser surgery****Holter electrocardiography; see Electrocardiography, ambulatory****Hypercholesterolemia**

Hypercholesterolemia: the current educational needs of physicians (McBride et al). 1992;123:817-24 (Editorial)

**Hyperemia**

The effects of ionic and nonionic radiographic contrast media on coronary hyperemia in patients during coronary angiography (Tatineni et al). 1992;123:621-7

**Hypersensitivity**

Long-term outcome in symptomatic carotid sinus hypersensitivity (Brignole et al). 1992;123:687-92

**Hypertension**

Age- and sex-related variation of plasma endothelin-1 concentration in normal and hypertensive subjects (Miyachi et al). 1992;123:1092-3 (Brief comm.)

Augmented norepinephrine and renin output in response to maximal exercise in hypertensive coarctectomy patients (Ross et al). 1992;123:1293-9

Determinants of ventricular ectopy in hypertensive cardiac hypertrophy (Schmieder and Messerli). 1992;123:89-95

Diminished nocturnal decline in blood pressure in elderly hypertensive patients with left ventricular hypertrophy (Kuwajima et al). 1992;123:1307-11

Effects of venous return reduction in hypertensive patients: Is there a Doppler diastolic dysfunction index independent of preload reduction? (Castini et al). 1992;123:1299-306

New insights and approaches to reduce end-organ damage in the treatment of hypertension: subsets of hypertension approach (Houston). 1992;123:1337-67 (Special report)

Superiority of nonpharmacologic therapy compared to propranolol and placebo in men with mild hypertension: a randomized, prospective trial (Kostis et al). 1992;123:466-74

**Hypertension, drug therapy**

Angiotensin-converting enzyme inhibition: research advances and clinical implications—introduction (Swales and Dzau). 1992;123:1412-3 (Symposium)

Can an angiotensin-converting enzyme inhibitor with a short half-life effectively lower blood pressure for 24 hours? (Palatini). 1992;123:1421-5 (Symposium)

Circulatory and extracirculatory effects of angiotensin-converting enzyme inhibition (Weber et al). 1992;123:1414-20 (Symposium)

Does blood pressure reduction necessarily compromise cardiac function or renal hemodynamics? Effects of the angiotensin-converting enzyme inhibitor quinapril (Kjeldsen et al). 1992;123:1433-8 (Symposium)

A dose-response trial of once-daily diltiazem (Felicetta et al). 1992;123:1022-6

Efficacy and safety of quinapril in the elderly hypertensive patient (Forette et al). 1992;123:1426-32 (Symposium)

**Hypertension, pulmonary**

Transient pulmonary hypertension following pulmonary balloon valvuloplasty (Bhagwat et al). 1992;123:1397-8 (Brief comm.)

**Hypertrophic cardiomyopathy; see Cardiomyopathy, hypertrophic****Hypertrophy**

Determinants of ventricular ectopy in hypertensive cardiac hypertrophy (Schmieder and Messerli). 1992;123:89-95

Diminished nocturnal decline in blood pressure in elderly hypertensive patients with left ventricular hypertrophy (Kuwajima et al). 1992;123:1307-11

### Hypertrophy—Cont'd

Functional significance of post-myocardial infarction left ventricular hypertrophy: a beneficial response (Ginzton et al). 1992;123:628-35

Right ventricular filling following balloon pulmonary valvuloplasty (Rao). 1992;123:1084-6 (Brief comm.)

### Hypoplastic left heart syndrome; see Heart defects, congenital

### Hypotension

Hypotension during dobutamine stress echocardiography: initial description and clinical relevance (Rosamond et al). 1992;123:403-7

### Hypothermia, induced

Effects of catecholamine stimulation on myocardial hibernation (Downing and Chen). 1992;123:589-96

Reperfusion of hibernating myocardium: contractile function, high-energy phosphate content, and myocyte injury after 3 hours of sublethal ischemia and 3 hours of reperfusion in the canine model (Przyklenk et al). 1992;123:575-88

## I

### Iatrogenic coronary arteriovenous fistula; see Arteriovenous fistula

### Iliacus hematoma; see Hematoma

### Immunotherapy

Recombinant interleukin-2 and recombinant interferon  $\alpha$  immunotherapy cardiovascular toxicity (Schechter and Nagler). 1992;123:1736-9 (Editorial)

### Implantable cardioverter defibrillator; see Electric countershock

### Indium

Focal myocardial injury following blunt chest trauma: a comparison of indium-111 antimony scintigraphy with other noninvasive methods (Hendel et al). 1992;123:1208-15

### Infant, newborn

Congenital complete heart block in a neonate (Saxena et al). 1992;123:1706-7 (Brief comm.)

Development of obstruction to ventricular outflow and impairment of inflow in glycogen storage disease of the heart: serial echocardiographic studies from birth to death at 6 months (Seifert et al). 1992;123:239-42 (Brief comm.)

### Infarction

The relationship between 1-year mortality and infarct location in patients with non-Q wave myocardial infarction (Schechtman et al). 1992;123:1175-81

The relationship between ECG signs of atrial infarction and the development of supraventricular arrhythmias in patients with acute myocardial infarction (Nielsen et al). 1992;123:69-72

### Infective endocarditis; see Endocarditis

### Inferior vena cava; see Vena cava, inferior

### Infusions, intravenous

Atrioventricular block during adenosine thallium imaging (Lee et al). 1992;123:1569-74

A comparison between intravenous streptokinase and tissue plasminogen activator with early intravenous heparin in acute myocardial infarction (Cherng et al). 1992;123:841-6

Delayed cardiotoxicity during treatment with intravenous pentamidine: two case reports and a review of the literature (Quadrel et al). 1992;123:1377-9 (Brief comm.)

The effects of intravenous infusions of selective adenosine  $A_1$ -receptor and  $A_2$ -receptor agonists on myocardial reperfusion injury (Norton et al). 1992;123:332-8

Efficacy of intravenous propafenone in acute atrial fibrillation complicating open-heart surgery (Gentili et al). 1992;123:1225-8

Heart rate variations during isoproterenol infusion in congestive heart failure: relationships to cardiac mortality (Bremilla-Perrot). 1992;123:989-92

Recurrent acute idiopathic pericarditis treated with intravenous methylprednisolone given as pulse therapy (Melchior et al). 1992;123:1086-8 (Brief comm.)

Reduction of reperfusion injury with preoperative rapid intravenous infusion of taurine during myocardial revascularization (Milei et al). 1992;123:339-45

Residual coronary stenoses and calculated transstenotic gradients after intravenous streptokinase versus tissue plasminogen activator (Kimball et al). 1992;123:7-14

### Inherited diseases; see Hereditary diseases

### Injections, intravenous

Left ventricular regional dysfunction induced by intracoronary papaverine in patients with isolated stenosis of the left anterior descending coronary artery (Foult et al). 1992;123:1493-9

Torsades de pointe after intravenous adenosine in the presence of prolonged QT syndrome (Wesley and Turnquest). 1992;123:794-6 (Brief comm.)

### Inotropic agents; see Cardiotonic agents

### Inoue balloon technique; see Balloon dilatation

### Inoue catheterization; see Heart catheterization

### Interferon alpha, recombinant

Recombinant interleukin-2 and recombinant interferon  $\alpha$  immunotherapy cardiovascular toxicity (Schechter and Nagler). 1992;123:1736-9 (Editorial)

### Interleukin-2

Recombinant interleukin-2 and recombinant interferon  $\alpha$  immunotherapy cardiovascular toxicity (Schechter and Nagler). 1992;123:1736-9 (Editorial)

### Intra-aortic balloon pumping

Coronary blood flow alternans: a unique examination of coronary physiology and influence of intra-aortic balloon pumping (Kern and Aguirre). 1992;123:1369-73 (Brief comm.)

Effects of intraaortic balloon pumping on mitral flow dynamics in patients with coronary artery bypass operations (Shimamoto et al). 1992;123:1229-36

Intraaortic balloon pump and thrombolysis in AMI (Silverman and Wetmore) (Letter); (Ohman) (Reply). 1992;123:1720

### Intracardiac echocardiography; see Echocardiography

### Intracavitary pressure; see Blood pressure

### Intracoronary flow velocity; see Blood flow velocity

### Intracoronary thrombolysis; see Thrombolytic therapy

### Intraoperative complications

Abrupt coronary artery occlusion during percutaneous transluminal coronary angioplasty (de Feyter et al). 1992;123:1633-42 (Curriculum cardi.)

### Intraoperative monitoring

Intraoperative determination of cardiac output by transesophageal continuous wave Doppler (Gorcsan et al). 1992;123:171-6

Intraoperative transesophageal echocardiographic diagnosis of left atrial pseudoaneurysm (Ballal et al). 1992;123:217-8 (Brief comm.)

### Intravascular endoprosthesis; see Blood vessel prostheses

### Intravascular ultrasound; see Ultrasonography

### Intravenous infusions; see Infusions, intravenous

### Iodine

Effect of viscosity and iodine concentration of nonionic radiographic contrast media on coronary arteriography in patients (Kern et al). 1992;123:160-5

### Ions

Ionic biology and ionic medicine in cardiac arrhythmias with particular reference to magnesium (Iseri et al). 1992;123:1404-9 (Editorial)

### Ischemia

Activated neutrophils aggravate endothelial dysfunction after reperfusion of the ischemic feline myocardium (Tsao et al). 1992;123:1464-71

Differences in plasma  $\beta$ -endorphin and bradykinin levels between patients with painless or with painful myocardial ischemia (Kurita et al). 1992;123:304-9

Effects of catecholamine stimulation on myocardial hibernation (Downing and Chen). 1992;123:589-96

Effects of coronary artery bypass surgery and angioplasty on the total ischemic burden: a study of exercise testing and ambulatory ST segment monitoring (Mulcahy et al). 1992;123:597-603

Efficacy of three-channel ambulatory electrocardiographic monitoring for the detection of myocardial ischemia (Shandling et al). 1992;123:310-6

Extreme QT prolongation solely due to reversible myocardial ischemia in single-vessel coronary disease (Bijl and Verheugt). 1992;123:524-6 (Brief comm.)

Influence of right ventricular ischemia on septal Q waves determined by coronary angioplasty (Tamura et al). 1992;123:1198-201

Ischemic expansion during acute myocardial infarction and reversal by coronary reperfusion (Lim et al). 1992;123:1456-63

Primary thrombocytosis and myocardial ischemic syndrome in a young woman (Adlakha et al). 1992;123:786-90 (Brief comm.)



**Ischemia—Cont'd**

- Reperfusion of hibernating myocardium: contractile function, high-energy phosphate content, and myocyte injury after 3 hours of sublethal ischemia and 3 hours of reperfusion in the canine model (Przyklenk et al). 1992;123:575-88
- Silent myocardial ischemia in patients with non-insulin-dependent diabetes mellitus as judged by treadmill exercise testing and coronary angiography (Naka et al). 1992;123:46-53
- Transient myocardial ischemia stimulates atrial natriuretic factor release (Malatino et al). 1992;123:693-8
- The transient nature of the effect of ischemic preconditioning on myocardial infarct size and ventricular arrhythmia (Li et al). 1992;123:346-53
- Treatment of severe mitral regurgitation caused by ischemic papillary muscle dysfunction: indications for coronary angioplasty (Le Feuvre et al). 1992;123:860-5

**Ischemic cardiomyopathy; see Myocardial diseases****Isoproterenol**

- Discrepancy between head-up tilt test results utilizing different protocols in the same patient (Janosik et al). 1992;123:538-41 (Brief comm.)
- Heart rate variations during isoproterenol infusion in congestive heart failure: relationships to cardiac mortality (Brembilla-Perrot). 1992;123:989-92

**J****Japan**

- The incidence of cardiac events in Japanese men with atypical or nonanginal chest pain: a prospective study on the significance of exercise testing (Sato et al). 1992;123:1510-5

**Junctional rhythm; see Heart sounds****K****Keratitis**

- Coronary involvement in Cogan's syndrome (Livingston et al). 1992;123:528-30 (Brief comm.)

**Kidney**

- Does blood pressure reduction necessarily compromise cardiac function or renal hemodynamics? Effects of the angiotensin-converting enzyme inhibitor quinapril (Kjeldsen et al). 1992;123:1433-8 (Symposium)
- Transesophageal echocardiographic detection of aortic atherosclerosis may provide clues to occult renal dysfunction in the elderly (Coy et al). 1992;123:1684-6 (Brief comm.)

**Kinetics**

- Lung and myocardial thallium-201 kinetics in resting patients with congestive heart failure: correlation with pulmonary capillary wedge pressure (Martinez et al). 1992;123:427-32

**L****Laser angioplasty; see Angioplasty, laser****Laser surgery**

- Characteristics of shock waves induced by pulsed lasers and their effects on arterial tissue: comparison of excimer, pulse dye, and holmium YAG lasers (Tomaru et al). 1992;123:896-904
- Characterization of ultraviolet laser-induced autofluorescence of ceroid deposits and other structures in atherosclerotic plaques as a potential diagnostic for laser angioplasty (Verbunt et al). 1992;123:208-16 (Prog. cardi.)
- Comparison of ablation efficacy of excimer, pulsed-dye, and holmium-YAG lasers relevant to shock waves (Tomaru et al). 1992;123:886-95

**Left atrial ball thrombus; see Coronary thrombosis****Left circumflex coronary artery, anomalous; see Coronary vessel anomalies****Left superior vena cava; see Vena cava, superior****Left ventricular chamber dimension; see Heart ventricle, anatomy****Left ventricular dilatation; see Dilatation****Left ventricular function; see Ventricular function, left****Left ventricular hypertrophy; see Hypertrophy****Left ventricular hypoplasia; see Heart ventricle, abnormalities****Left ventricular mass; see Heart ventricle, anatomy****Left ventricular thrombosis; see Coronary thrombosis****Left ventricular wall motion; see Ventricular function, left****Left ventricular wall thickness; see Heart ventricle, anatomy****Letters****Amiodarone-cyclosporine interaction in cardiac transplantation (Mamprin et al). 1992;123:1725-6****Anginal perception in diabetes (Langer) (Letter); (Umachandran and Timmis) (Reply). 1992;123:1721-2****Auscultated growl of myocardial rupture (Bloom and Rosen). 1992;123:1730****Carnitine and its acyl esters as secondary antioxidants? (Arduini). 1992;123:1726-7****Chagas' disease in the United States (Reyes) (Letter); (Theis) (Reply). 1992;123:1724****Chronic  $\beta_1$ -blocker treatment and cardiac  $\beta_2$ -adrenoceptor function (Brodde). 1992;123:1727-8****Coronary-selective properties of nisoldipine (Deleu and Baviere). 1992;123:1726****CPR at a college musical rehearsal (Varriale). 1992;123:1730-1****Intraaortic balloon pump and thrombolysis in AMI (Silverman and Wetmore) (Letter); (Ohman) (Reply). 1992;123:1720****Lovastatin on restenosis (Marchant) (Letter); (Banka et al) (Reply). 1992;123:1724-5****Mixed venous oxygen saturation in AMI (Nimmo) (Letter); (Sumimoto) (Reply). 1992;123:1720-1****Toxic oil syndrome (Fitzpatrick) (Letter); (James) (Reply). 1992;123:1722-3****Toxoplasma myocarditis in AIDS (Cappell et al). 1992;123:1728-30****Leukocytes****Leukocytes as a coronary risk factor in a dyslipidemic male population (Mänttari et al). 1992;123:873-7****Lipids****Dietary lipid modulation of ventricular fibrillation threshold in the marmoset monkey (McLennan et al). 1992;123:1555-61****Leukocytes as a coronary risk factor in a dyslipidemic male population (Mänttari et al). 1992;123:873-7****Lipoproteins****Oxidative status of lipoproteins in coronary disease patients (Liu et al). 1992;123:285-90****Lovastatin****Lovastatin on restenosis (Marchant) (Letter); (Banka et al) (Reply). 1992;123:1724-5****Lung****Lung and myocardial thallium-201 kinetics in resting patients with congestive heart failure: correlation with pulmonary capillary wedge pressure (Martinez et al). 1992;123:427-32****Pulmonary extraction and left atrial secretion of atrial natriuretic factor during cardiopulmonary bypass surgery (Northridge et al). 1992;123:698-703****Lymphocytes****Lymphocytic active myocarditis characterized by numerous clusters of lymphocytes: A chronic variant of myocarditis? (Okabe et al). 1992;123:128-36****Lymphocytic active myocarditis; see Myocarditis****M****Magnesium****Ionic biology and ionic medicine in cardiac arrhythmias with particular reference to magnesium (Iseri et al). 1992;123:1404-9 (Editorial)****Magnetic resonance imaging****Chronic myocardial infarction: assessment of morphology, function, and perfusion by gradient echo magnetic resonance imaging and  $^{99m}\text{Tc}$ -methoxyisobutyl-isonitrile SPECT (Baer et al). 1992;123:636-45****Effect of cilazapril on regional left ventricular wall thickness and chamber dimension following acute myocardial infarction: in vivo assessment using MRI (Saeed et al). 1992;123:1472-80****Evaluation of mitral stenosis by cine magnetic resonance imaging (Casolo et al). 1992;123:1252-60****Magnetic resonance imaging in acute and subacute mediastinal bleeding (Seelos et al). 1992;123:1269-72****Magnetic resonance imaging of suspected atrial tumors (Mene-gus et al). 1992;123:1260-8****MRI in right ventricular endomyocardial fibrosis (D'Silva et al). 1992;123:1390-2 (Brief comm.)**

**Magnum/Magnarail system; see Balloon dilatation**  
**Marfan syndrome**

- Cardiovascular manifestations of Marfan's syndrome in the young (El Habbal). 1992;123:752-7 (Curriculum cardi.)  
The Marfan syndrome: cardiovascular physical findings and diagnostic correlates (Hirata et al). 1992;123:743-52 (Curriculum cardi.)

**Mediastinum**

- Magnetic resonance imaging in acute and subacute mediastinal bleeding (Seelos et al). 1992;123:1269-72

**Membranotomy, balloon; see Angioplasty, transluminal**  
**Mesenchymoma**

- Malignant mesenchymoma as a primary cardiac tumor (McKenney et al). 1992;123:1071-5 (Brief comm.)

**Metabolism, benzylguanidine; see Guanethidine**

**Methylprednisolone**

- Recurrent acute idiopathic pericarditis treated with intravenous methylprednisolone given as pulse therapy (Melchior et al). 1992;123:1086-8 (Brief comm.)

**Metoprolol**

- Metabolic and cardiovascular benefits deriving from  $\beta$ -adrenergic blockade in chronic congestive heart failure (Paolisso et al). 1992;123:103-10

**Microwaves**

- Microwave thermal balloon angioplasty in the normal rabbit (Smith et al). 1992;123:1516-21

**Mitral block; see Heart block**

**Mitral flow dynamics; see Blood flow velocity**

**Mitral regurgitation; see Mitral valve insufficiency**

**Mitral valve**

- Does asymmetric mitral valve disease predict an adverse outcome after percutaneous balloon mitral valvotomy? An echocardiographic study (Rodriguez et al). 1992;123:1678-82 (Brief comm.)  
Intracardiac echocardiography during simulated aortic and mitral balloon valvuloplasty: in vivo experimental studies (Schwartz et al). 1992;123:665-74  
Morphologic aspects of cardiac valve dysfunction (Roberts). 1992;123:1610-32 (Curriculum cardi.)

**Mitral valve insufficiency**

- Can signal intensity of the continuous wave Doppler regurgitant jet estimate severity of mitral regurgitation? (Utsunomiya et al). 1992;123:166-71  
Evaluation of the severity of mitral regurgitation by transesophageal Doppler flow echocardiography (Sadoshima et al). 1992;123:1245-51  
Free-floating left atrial thrombus and its mechanical interaction with mitral regurgitant jet assessed by color Doppler echocardiography (Rey et al). 1992;123:1067-9 (Brief comm.)  
Left ventricular shape: a factor in the etiology of functional mitral regurgitation in heart failure (Sabbah et al). 1992;123:961-6  
The prevalence of valvular regurgitation in children with structurally normal hearts: a color Doppler echocardiographic study (Brand et al). 1992;123:177-80  
Temporal variability of color Doppler jet areas in patients with mitral and aortic regurgitation (Smith et al). 1992;123:953-60  
Treatment of severe mitral regurgitation caused by ischemic papillary muscle dysfunction: indications for coronary angioplasty (Le Feuvre et al). 1992;123:860-5

**Mitral valve replacement; see Heart valve prosthesis**

**Mitral valve stenosis**

- Comparison between single (Inoue) and double balloon mitral valvuloplasty: immediate and short-term results (Abdullah et al). 1992;123:1581-8  
Comparison of Inoue single-balloon versus double-balloon technique for percutaneous mitral valvotomy (Ruiz et al). 1992;123:942-7  
Evaluation of mitral stenosis by cine magnetic resonance imaging (Casolo et al). 1992;123:1252-60  
Percutaneous mitral valvotomy by Inoue catheter in young patients with mitral stenosis (Natarajan et al). 1992;123:541-3 (Brief comm.)  
Percutaneous mitral valvotomy with the Inoue balloon catheter in children and adults: immediate results and early follow-up (Fawzy et al). 1992;123:462-5

**Mitral valvotomy; see Balloon dilatation**

**Mixed venous oxygen saturation; see Blood gas analysis**  
**MM creatine kinase; see Creatine kinase**

**Mobile health units**

- Prehospital diagnosis and treatment of acute myocardial infarction: a critical review (Kowalenko et al). 1992;123:181-90 (Curriculum cardi.)

**Mortality**

- Gender differences in mortality rates for coronary artery bypass surgery (Hannan et al). 1992;123:866-72  
Heart rate variations during isoproterenol infusion in congestive heart failure: relationships to cardiac mortality (Bremilla-Perrot). 1992;123:989-92  
Hypoplastic left heart syndrome: report of a case of spontaneous survival to adulthood (Vargas-Barron et al). 1992;123:1713-9 (Brief comm.)  
The prognostic significance of angina pectoris preceding the occurrence of a first acute myocardial infarction in 4166 consecutive hospitalized patients (Behar et al). 1992;123:1481-6  
The relationship between 1-year mortality and infarct location in patients with non-Q wave myocardial infarction (Schectman et al). 1992;123:1175-81

**MRI; see Magnetic resonance imaging**

**<sup>99m</sup>Tc-methoxyisobutyl-isonitrile SPECT; see Tomography, emission-computed, single-photon**

**Muscles, cytology**

- Reperfusion of hibernating myocardium: contractile function, high-energy phosphate content, and myocyte injury after 3 hours of sublethal ischemia and 3 hours of reperfusion in the canine model (Przyklenk et al). 1992;123:575-88

**Muscular dystrophy**

- Myocardial patchy staining of dystrophin in Becker's muscular dystrophy associated with cardiomyopathy (Anan et al). 1992;123:1088-9 (Brief comm.)

**Mustard operation**

- Chylothorax, an unusual complication of baffle obstruction following Mustard operation: successful treatment with balloon angioplasty (Rao and Wilson). 1992;123:244-8 (Brief comm.)

**Mycotic aneurysm; see Aneurysm, infected**

**Myocardial contraction**

- Inotropic and lusitropic dysfunction in myocardium from patients with dilated cardiomyopathy (Schwinger et al). 1992;123:116-28  
Junctional rhythm and atrial contraction: a mechanism for systolic sound (Langhorne and Phillips). 1992;123:1699-701 (Brief comm.)  
Reperfusion of hibernating myocardium: contractile function, high-energy phosphate content, and myocyte injury after 3 hours of sublethal ischemia and 3 hours of reperfusion in the canine model (Przyklenk et al). 1992;123:575-88

**Myocardial diseases**

- Differentiation between primary dilated cardiomyopathy and ischemic cardiomyopathy based on right ventricular performance (Iskandrian et al). 1992;123:768-73 (Prog. cardi.)  
Does Chagas' disease exist as an undiagnosed form of cardiomyopathy in the United States? (Milei et al). 1992;123:1732-5 (Editorial)

- Myocardial patchy staining of dystrophin in Becker's muscular dystrophy associated with cardiomyopathy (Anan et al). 1992;123:1088-9 (Brief comm.)

- Scorpion venom cardiomyopathy (Kumar et al). 1992;123:725-9

**Myocardial hibernation; see Hypothermia, induced**

**Myocardial infarction, complications**

- Angiographic demonstration of spontaneous variation in coronary artery collateral blood flow: a mechanism for post-infarction angina (Jain et al). 1992;123:1060-2 (Brief comm.)  
Auscultated growl of myocardial rupture (Bloom and Rosen). 1992;123:1730 (Letter)

**Myocardial infarction, diagnosis**

- The incidence of cardiac events in Japanese men with atypical or nonanginal chest pain: a prospective study on the significance of exercise testing (Sato et al). 1992;123:1510-5  
Modern approaches to the diagnosis of coronary artery disease (Anderson and King). 1992;123:1312-23 (Curriculum cardi.)  
The predictive value of silent ischemia at an exercise test before discharge after an episode of unstable coronary artery disease (Nyman et al). 1992;123:324-31  
Prehospital diagnosis and treatment of acute myocardial infarction: a critical review (Kowalenko et al). 1992;123:181-90 (Curriculum cardi.)  
The prognostic significance of angina pectoris preceding the occurrence of a first acute myocardial infarction in 4166 consecutive hospitalized patients (Behar et al). 1992;123:1481-6

**Myocardial infarction, diagnosis—Cont'd**

The RSR' complex not related to right bundle branch block: diagnostic value as a sign of myocardial infarction scar (Varriale and Chrysos). 1992;123:369-76

Use of rapid serial sampling of creatine kinase MB for very early detection of myocardial infarction in patients with acute chest pain (Marin and Teichman). 1992;123:354-61

**Myocardial infarction, drug therapy**

Adult respiratory distress syndrome following thrombolytic therapy with APSAC for acute myocardial infarction (Le et al). 1992;123:1368-9 (Brief comm.)

A comparison between intravenous streptokinase and tissue plasminogen activator with early intravenous heparin in acute myocardial infarction (Cherng et al). 1992;123:841-6

Early detection of coronary artery patency after thrombolysis by determination of the MM creatine kinase isoforms in patients with acute myocardial infarction (Schofer et al). 1992;123:846-53

Effect of cilazapril on regional left ventricular wall thickness and chamber dimension following acute myocardial infarction: in vivo assessment using MRI (Saeed et al). 1992;123:1472-80

Efficacy and electrophysiologic effects of oral sotalol in patients with sustained ventricular tachycardia caused by coronary artery disease (Kus et al). 1992;123:82-9

**Myocardial infarction, mortality**

Prevention of sudden death in survivors of myocardial infarction: a decision analysis approach (Middlekauff et al). 1992;123:475-80 (Curriculum cardiol.)

The relationship between 1-year mortality and infarct location in patients with non-Q wave myocardial infarction (Schechtman et al). 1992;123:1175-81

**Myocardial infarction, pathology**

Chronic myocardial infarction: assessment of morphology, function, and perfusion by gradient echo magnetic resonance imaging and <sup>99m</sup>Tc-methoxyisobutyl-isonitrile SPECT (Baer et al). 1992;123:636-45

Functional significance of post-myocardial infarction left ventricular hypertrophy: a beneficial response (Ginzton et al). 1992;123:628-35

Minimum heart rate and coronary atherosclerosis: independent relations to global severity and rate of progression of angiographic lesions in men with myocardial infarction at a young age (Perski et al). 1992;123:609-16

Primary thrombocytosis and myocardial ischemic syndrome in a young woman (Adlakha et al). 1992;123:786-90 (Brief comm.)

**Myocardial infarction, physiopathology**

Circadian variation of spectral indices of heart rate variability after myocardial infarction (Lombardi et al). 1992;123:1521-9

Compensatory and noncompensatory left ventricular dilatation after myocardial infarction: time course and hemodynamic consequences at rest and during exercise (Gaudron et al). 1992;123:377-85

Late direct angioplasty in patients with myocardial infarction and fluctuating chest pain (Eisenhauer et al). 1992;123:553-9

Mixed venous oxygen saturation in AMI (Nimmo) (Letter); (Sumimoto) (Reply). 1992;123:1720-1

The relationship between ECG signs of atrial infarction and the development of supraventricular arrhythmias in patients with acute myocardial infarction (Nielsen et al). 1992;123:69-72

Stress-induced ST segment shift in leads V<sub>3R</sub> and V<sub>4R</sub> after acute myocardial infarction (Cama-Canella). 1992;123:362-8

The transient nature of the effect of ischemic preconditioning on myocardial infarct size and ventricular arrhythmia (Li et al). 1992;123:346-53

**Myocardial infarction, surgery**

Early and late angiographic findings of the "no-reflow" phenomenon following direct angioplasty as primary treatment for acute myocardial infarction (Feld et al). 1992;123:782-4 (Brief comm.)

The intracoronary administration of urokinase following direct PTA for acute myocardial infarction reduces early restenosis (Morishita et al). 1992;123:1153-6

Myocardial salvage with direct coronary angioplasty for acute infarction (O'Keefe et al). 1992;123:1-6

**Myocardial infarction, therapy**

Arrhythmias during the acute phase of reperfusion therapy for acute myocardial infarction: effects of  $\beta$ -adrenergic blockade (Hohnloser et al). 1992;123:1530-5

**Myocardial infarction, therapy—Cont'd**

Intraaortic balloon pump and thrombolysis in AMI (Silverman and Wetmore) (Letter); (Ohman) (Reply). 1992;123:1720

Ischemic expansion during acute myocardial infarction and reversal by coronary reperfusion (Lim et al). 1992;123:1456-63

Prehospital diagnosis and treatment of acute myocardial infarction: a critical review (Kowalenko et al). 1992;123:181-90 (Curriculum cardiol.)

Relationship between the preexistent coronary collateral circulation and successful intracoronary thrombolysis for acute myocardial infarction (Araie et al). 1992;123:1452-5

Relative importance of emergency medical system transport and the prehospital electrocardiogram on reducing hospital time delay to therapy for acute myocardial infarction: a preliminary report from the Cincinnati Heart Project (Kereiakes et al). 1992;123:835-40

Reperfusion of the infarct-related coronary artery limits left ventricular expansion beyond myocardial salvage (Marino et al). 1992;123:1157-65

Residual coronary stenoses and calculated transstenotic gradients after intravenous streptokinase versus tissue plasminogen activator (Kimball et al). 1992;123:7-14

Short-term treatment with synchronized coronary venous retroperfusion before full reperfusion significantly reduces myocardial infarct size (Hatori et al). 1992;123:1166-74

**Myocardial ischemia; see Ischemia****Myocardial perfusion; see Perfusion****Myocardial reperfusion**

Activated neutrophils aggravate endothelial dysfunction after reperfusion of the ischemic feline myocardium (Tsao et al). 1992;123:1464-71

Arrhythmias during the acute phase of reperfusion therapy for acute myocardial infarction: effects of  $\beta$ -adrenergic blockade (Hohnloser et al). 1992;123:1530-5

Early and late angiographic findings of the "no-reflow" phenomenon following direct angioplasty as primary treatment for acute myocardial infarction (Feld et al). 1992;123:782-4 (Brief comm.)

Importance of reperfusion on thromboxane A<sub>2</sub> metabolite excretion after thrombolysis (Rebuzzi et al). 1992;123:560-6

Ischemic expansion during acute myocardial infarction and reversal by coronary reperfusion (Lim et al). 1992;123:1456-63

Late direct angioplasty in patients with myocardial infarction and fluctuating chest pain (Eisenhauer et al). 1992;123:553-9

Reperfusion of hibernating myocardium: contractile function, high-energy phosphate content, and myocyte injury after 3 hours of sublethal ischemia and 3 hours of reperfusion in the canine model (Przyklenk et al). 1992;123:575-88

Reperfusion of the infarct-related coronary artery limits left ventricular expansion beyond myocardial salvage (Marino et al). 1992;123:1157-65

Short-term treatment with synchronized coronary venous retroperfusion before full reperfusion significantly reduces myocardial infarct size (Hatori et al). 1992;123:1166-74

**Myocardial reperfusion injury**

The effects of intravenous infusions of selective adenosine A<sub>1</sub>-receptor and A<sub>2</sub>-receptor agonists on myocardial reperfusion injury (Norton et al). 1992;123:332-8

Reduction of reperfusion injury with preoperative rapid intravenous infusion of taurine during myocardial revascularization (Milei et al). 1992;123:339-45

**Myocardial revascularization**

The degree of revascularization and outcome after multivessel coronary angioplasty (Faxon et al). 1992;123:854-9

Reduction of reperfusion injury with preoperative rapid intravenous infusion of taurine during myocardial revascularization (Milei et al). 1992;123:339-45

**Myocarditis**

Lymphocytic active myocarditis characterized by numerous clusters of lymphocytes: A chronic variant of myocarditis? (Okabe et al). 1992;123:128-36

Toxoplasma myocarditis in AIDS (Cappell et al). 1992;123:1728-30 (Letter)

Ultrastructural alterations of the conduction system in mice exhibiting sinus arrest or heart block during coxsackievirus B3 acute myocarditis (Terasaki et al). 1992;123:439-52

**Myocardium**

Assessment of myocardial oxidative metabolism in aortic valve disease using positron emission tomography with C-11 acetate (Hicks et al). 1992;123:653-64



# **Myocardium—Cont'd**

- Focal myocardial injury following blunt chest trauma: a comparison of indium-111 antimony scintigraphy with other noninvasive methods (Hendel et al). 1992;123:1208-15
- Lung and myocardial thallium-201 kinetics in resting patients with congestive heart failure: correlation with pulmonary capillary wedge pressure (Martinez et al). 1992;123:427-32
- Myocardial contrast echocardiography can depict thebesian vein outflow in humans (Cornel et al). 1992;123:1373-4 (Brief comm.)
- The myocardial renin-angiotensin system: existence, importance, and clinical implications (Grinstead and Young). 1992;123:1039-45 (Prog. cardi.)
- Regional redistribution of myocardial perfusion by UL-FS 49, a selective bradycardic agent (O'Brien et al). 1992;123:566-74
- Myocyte; see Muscles, cytology**
- Myxoma**  
The syndrome of right atrial myxoma, spotty skin pigmentation, and acromegaly (Yen et al). 1992;123:243-4 (Brief comm.)

## **N**

### **Natriuretic peptides, atrial**

- Cosecretion of atrial and brain natriuretic peptides during supraventricular tachyarrhythmias (Kohno et al). 1992;123:1382-4 (Brief comm.)
- Direct secretion from left atrium and pulmonary extraction of human atrial natriuretic peptide (Akaike et al). 1992;123:984-9
- Pulmonary extraction and left atrial secretion of atrial natriuretic factor during cardiopulmonary bypass surgery (Northridge et al). 1992;123:698-703
- Transient myocardial ischemia stimulates atrial natriuretic factor release (Malatino et al). 1992;123:693-8
- Vasodilating actions of calcitonin gene-related peptide in normal man: comparison with atrial natriuretic peptide (Ando et al). 1992;123:111-6

### **Neonate; see Infant, newborn**

### **Neoplasms; see also Heart neoplasms**

#### **Neovascularization**

- Stimulation of coronary collateral growth: current developments in angiogenesis and future clinical applications (Kass et al). 1992;123:486-96 (Curriculum cardi.)

### **Neutrophils**

- Activated neutrophils aggravate endothelial dysfunction after reperfusion of the ischemic feline myocardium (Tsao et al). 1992;123:1464-71

### **Nicardipine**

- Coronary-selective properties of nisoldipine (Deleu and Baviere). 1992;123:1726 (Letter)

### **Nifedipine**

- Clinical evaluation of cardiac function by ambulatory ventricular scintigraphic monitoring (VEST): validation and study of the effects of nitroglycerin and nifedipine in patients with and without coronary artery disease (Mohiuddin et al). 1992;123:386-94

- Coronary-selective properties of nisoldipine (Deleu and Baviere). 1992;123:1726 (Letter)

### **Nisoldipine**

- Coronary-selective properties of nisoldipine (Deleu and Baviere). 1992;123:1726 (Letter)

### **Nitroglycerin; see Glyceryl trinitrate**

### **Non-insulin-dependent diabetes mellitus; see Diabetes mellitus, non-insulin-dependent**

### **Nonionic radiographic contrast media; see Contrast media**

### **Noonan syndrome**

- Hypertrophic cardiomyopathy progressing to a dilated cardiomyopathy-like feature in Noonan's syndrome (Shimizu et al). 1992;123:814-6 (Brief comm.)

### **Norepinephrine**

- Augmented norepinephrine and renin output in response to maximal exercise in hypertensive coarctectomy patients (Ross et al). 1992;123:1293-9
- Effects of catecholamine stimulation on myocardial hibernation (Downing and Chen). 1992;123:589-96

## **O**

### **Open heart surgery; see Heart surgery entries**

# **Oxygen**

- Increased oxygen free radical activity in patients on cardiopulmonary bypass undergoing aortocoronary bypass surgery (Prasad et al). 1992;123:37-45

- Mixed venous oxygen saturation in AMI (Nimmo) (Letter); (Sumimoto) (Reply). 1992;123:1720-1

- Oxidative status of lipoproteins in coronary disease patients (Liu et al). 1992;123:285-90

# **Oxygen consumption**

- Assessment of myocardial oxidative metabolism in aortic valve disease using positron emission tomography with C-11 acetate (Hicks et al). 1992;123:653-64

- Predictive accuracy of criteria used to assess maximal oxygen consumption (Stachenfeld et al). 1992;123:922-5

- Predictors of prognosis in severe chronic heart failure (Parameshwar et al). 1992;123:421-6

## **P**

### **P wave; see Electrocardiography**

### **Pacemaker, artificial**

- Chronotropic incompetence: a common and progressive finding in pacemaker patients (Gwinn et al). 1992;123:1216-9

- Effect of atrioventricular synchrony on stroke volume during ventricular tachycardia in man (Maloney et al). 1992;123:1561-8

- Postpericardiotomy syndrome complicating transvenous dual-chamber rate-adaptive pacing: diagnosis aided by transthoracic echocardiography (Lau et al). 1992;123:1388-90 (Brief comm.)

- Twiddler's syndrome with the implantable cardioverter-defibrillator (Mehta et al). 1992;123:1079-82 (Brief comm.)

### **Pacing, dual-chamber rate-adaptive; see Pacemaker, artificial**

### **Pacing electrodes; see Electrodes, implanted**

### **Palmar-Schatz stent; see Stents**

### **Papaverine**

- Left ventricular regional dysfunction induced by intracoronary papaverine in patients with isolated stenosis of the left anterior descending coronary artery (Foult et al). 1992;123:1493-9

### **Papillary muscles**

- Posteromedial papillary muscle rupture as a result of right coronary artery occlusion after blunt chest injury (Neiman and Hui). 1992;123:1694-9 (Brief comm.)

- Treatment of severe mitral regurgitation caused by ischemic papillary muscle dysfunction: indications for coronary angioplasty (Le Feuvre et al). 1992;123:860-5

### **Paraproteinemia**

- Ventricular tachycardia in plasma cell dyscrasia syndrome (Grubelich and Venditti). 1992;123:800-2 (Brief comm.)

### **Patent ductus arteriosus; see Ductus arteriosus, patent**

### **Pentamidine**

- Delayed cardiotoxicity during treatment with intravenous pentamidine: two case reports and a review of the literature (Quadrel et al). 1992;123:1377-9 (Brief comm.)

### **Percutaneous aortic balloon valvuloplasty; see Balloon dilatation**

### **Percutaneous balloon membranotomy; see Angioplasty, transluminal**

### **Percutaneous directional atherectomy; see Coronary arteriosclerosis**

### **Percutaneous transluminal coronary angioplasty; see Angioplasty, transluminal, percutaneous coronary**

### **Percutaneous balloon mitral valvotomy; see Balloon dilatation**

### **Perfusion**

- Chronic myocardial infarction: assessment of morphology, function, and perfusion by gradient echo magnetic resonance imaging and <sup>99m</sup>Tc-methoxyisobutyl-isonitrile SPECT (Baer et al). 1992;123:636-45

- Combined assessment of technetium-99m SESTAMIBI planar myocardial perfusion images at rest and during exercise with rest/exercise left ventricular wall motion studies evaluated from gated myocardial perfusion studies (Verzijlbergen et al). 1992;123:59-68

- Influence of exercise intensity on the presence, distribution, and size of thallium-201 defects (Heller et al). 1992;123:909-16

- Regional redistribution of myocardial perfusion by UL-FS 49, a selective bradycardic agent (O'Brien et al). 1992;123:566-74

**Perfusion—Cont'd**

Therapeutic effect of oral dipyridamole on myocardial perfusion and cardiac performance in patients with hypertrophic cardiomyopathy (Koga et al). 1992;123:433-8

**Pericarditis**

Recurrent acute idiopathic pericarditis treated with intravenous methylprednisolone given as pulse therapy (Melchior et al). 1992;123:1086-8 (Brief comm.)

Self-limited acute pericarditis as initial manifestation of primary cardiac tumor (Galve et al). 1992;123:1690-2 (Brief comm.)

**Pericardium**

Diagnosis of pericardial abnormalities by 2D-echo: a pathology-echocardiography correlation in 85 patients (Hinds et al). 1992;123:143-50

The importance of pericardial constraint in experimental pulmonary embolism and volume loading (Belenkie et al). 1992;123:733-42

**Pharmacokinetics**

Practical pharmacokinetics of ventricular antiarrhythmic therapy (Wright). 1992;123:1148-52 (Symposium)

**Phosphates**

Reperfusion of hibernating myocardium: contractile function, high-energy phosphate content, and myocyte injury after 3 hours of sublethal ischemia and 3 hours of reperfusion in the canine model (Przyklenk et al). 1992;123:575-88

**Pimobendan**

A multicenter, randomized, double-blind, placebo-controlled trial of pimobendan, a new cardiotonic and vasodilator agent, in patients with severe congestive heart failure (Katz et al). 1992;123:95-103

**Plant oils**

Toxic oil syndrome (Fitzpatrick) (Letter); (James) (Reply). 1992;123:1722-3

**Plasma**

Age- and sex-related variation of plasma endothelin-1 concentration in normal and hypertensive subjects (Miyachi et al). 1992;123:1092-3 (Brief comm.)

**Plasma cell dyscrasia; see Paraproteinemias****Plasminogen activator, tissue-type**

A comparison between intravenous streptokinase and tissue plasminogen activator with early intravenous heparin in acute myocardial infarction (Cherng et al). 1992;123:841-6

Residual coronary stenoses and calculated transstenotic gradients after intravenous streptokinase versus tissue plasminogen activator (Kimball et al). 1992;123:7-14

Tissue plasminogen activator lysis of a right ventricular thrombus (Kemenu and Riggs). 1992;123:1057-8 (Brief comm.)

**Platelet aggregation**

Inhibition of platelet aggregation by prostacyclin is attenuated after exercise in patients with angina pectoris (Kishi et al). 1992;123:291-7

**Platelet derived growth factor**

Effects of rapradil (triazolopyrimidine), a platelet-derived growth factor antagonist, in preventing restenosis after percutaneous transluminal coronary angioplasty (Okamoto et al). 1992;123:1439-44

***Pneumocystis carinii*; see Pneumonia, *Pneumocystis carinii*****Pneumonia, *Pneumocystis carinii***

Delayed cardiotoxicity during treatment with intravenous pentamidine: two case reports and a review of the literature (Quadrel et al). 1992;123:1377-9 (Brief comm.)

**Polycythemia**

Markedly decreased coronary blood flow in secondary polycythemia (Kereshovich et al). 1992;123:521-3 (Brief comm.)

**Positron emission tomography; see Tomography, emission-computed****Postoperative care**

Treatment of patients following bypass surgery: a dilemma for the 1990s (Schweiger et al). 1992;123:268-72 (Editorial)

**Postoperative complications**

Paradoxical right ventricular wall motion in postsurgical anterior cardiac compression by hematoma (D'Cruz et al). 1992;123:1069-71 (Brief comm.)

The relationship of anticoagulation level and complications after successful percutaneous transluminal coronary angioplasty (McGarry et al). 1992;123:1445-51

**Postpericardiotomy syndrome**

Postpericardiotomy syndrome complicating transvenous dual-chamber rate-adaptive pacing: diagnosis aided by transthoracic echocardiography (Lau et al). 1992;123:1388-90 (Brief comm.)

**PR elongation; see Electrocardiography****Predictive value of tests**

Predictive accuracy of criteria used to assess maximal oxygen consumption (Stachenfeld et al). 1992;123:922-5

The predictive value of silent ischemia at an exercise test before discharge after an episode of unstable coronary artery disease (Nyman et al). 1992;123:324-31

The predictive value of the time course of ST segment depression during exercise testing in patients referred for coronary angiograms (Ellestad et al). 1992;123:904-8

Prognostic value of dipyridamole thallium-201 scintigraphy in patients with stable chest pain (Stratmann et al). 1992;123:317-23

**Pregnancy**

Acute termination of supraventricular tachycardia by adenosine during pregnancy (Harrison et al). 1992;123:1386-8 (Brief comm.)

New-onset ventricular tachycardia during pregnancy (Brodsky et al). 1992;123:933-41

WPW syndrome during pregnancy: increased incidence of supraventricular arrhythmias (Widerhorn et al). 1992;123:796-8 (Brief comm.)

**Prehospital diagnosis and treatment; see Emergency medical services****Premature beat; see Extrasystole****Preventive health services**

Pulling it all together: changing the cardiovascular outlook (Kannel and Wolf). 1992;123:264-7 (Editorial)

**Prognostic value of tests; see Predictive value of tests****Programmed electric stimulation; see Electric stimulation****Progress in cardiology**

Progress in cardiology. 1992;123:191-216, 497-513, 768-81, 1039-54, 1329-36, 1643-77

**Propafenone**

Efficacy of intravenous propafenone in acute atrial fibrillation complicating open-heart surgery (Gentili et al). 1992;123:1225-8

**Propranolol**

Superiority of nonpharmacologic therapy compared to propranolol and placebo in men with mild hypertension: a randomized, prospective trial (Kostis et al). 1992;123:466-74

**Prostacyclin; see Epoprostenol****Prosthesis design**

Effects of design geometry of intravascular endoprostheses on stenosis rate in normal rabbits (Tominaga et al). 1992;123:21-8

**Prosthesis failure**

Successful thrombolytic therapy for prosthetic pulmonary valve thrombosis evaluated by Doppler echocardiography (Marti et al). 1992;123:1065-7 (Brief comm.)

Thrombolytic therapy for prosthetic valve thrombosis: a study based on serial Doppler echocardiographic evaluation (Vasan et al). 1992;123:1575-80

**Prosthetic heart valve; see Heart valve prosthesis****Pseudoaneurysm; see Aneurysm; Aortic aneurysm****PTCA; see Angioplasty, transluminal, percutaneous coronary****Pulmonary artery**

Anomalous left circumflex coronary artery from the right pulmonary artery: first adult case report (Garcia et al). 1992;123:526-8 (Brief comm.)

Direct secretion from left atrium and pulmonary extraction of human atrial natriuretic peptide (Akaie et al). 1992;123:984-9

Echocardiographic diagnosis of a mycotic aneurysm of the main pulmonary artery and patent ductus arteriosus (Vargas-Baron et al). 1992;123:1707-9 (Brief comm.)

**Pulmonary circulation**

Tricuspid atresia associated with aortopulmonary window: controlling pulmonary blood flow with a fenestrated patch (Geva et al). 1992;123:260-2 (Brief comm.)

**Pulmonary embolism**

Antithrombotic therapy in deep vein thrombosis and pulmonary embolism (Hirsh). 1992;123:1115-22 (Symposium)

# **Pulmonary embolism—Cont'd**

The importance of pericardial constraint in experimental pulmonary embolism and volume loading (Belenkie et al). 1992;123:733-42

# **Pulmonary function tests; see Respiratory function tests**

# **Pulmonary hypertension; see Hypertension, pulmonary**

# **Pulmonary subvalvular stenosis** Severe subpulmonic outflow obstruction caused by aneurysm of the membranous ventricular septum: diagnosis by transthoracic echocardiography (Sharma et al). 1992;123:810-4 (Brief comm.)

# **Pulmonary valve** Right ventricular filling following balloon pulmonary valvuloplasty (Rao). 1992;123:1084-6 (Brief comm.)

Successful thrombolytic therapy for prosthetic pulmonary valve thrombosis evaluated by Doppler echocardiography (Marti et al). 1992;123:1065-7 (Brief comm.)

# **Pulmonary valve insufficiency** The prevalence of valvular regurgitation in children with structurally normal hearts: a color Doppler echocardiographic study (Brand et al). 1992;123:177-80

# **Pulmonary veins** Direct secretion from left atrium and pulmonary extraction of human atrial natriuretic peptide (Akaike et al). 1992;123:984-9

# **Pulmonary wedge pressure** Lung and myocardial thallium-201 kinetics in resting patients with congestive heart failure: correlation with pulmonary capillary wedge pressure (Martinez et al). 1992;123:427-32

# **Pulsed-dye laser surgery; see Laser surgery**

## **Q**

# **Q wave; see Electrocardiography**

# **QR prolongation; see Electrocardiography**

# **QT syndrome; see Torsades de pointes**

# **Quinapril**

Angiotensin-converting enzyme inhibition: research advances and clinical implications—introduction (Swales and Dzau). 1992;123:1412-3 (Symposium)

Can an angiotensin-converting enzyme inhibitor with a short half-life effectively lower blood pressure for 24 hours? (Palatini). 1992;123:1421-5 (Symposium)

Circulatory and extracirculatory effects of angiotensin-converting enzyme inhibition (Weber et al). 1992;123:1414-20 (Symposium)

Does blood pressure reduction necessarily compromise cardiac function or renal hemodynamics? Effects of the angiotensin-converting enzyme inhibitor quinapril (Kjeldsen et al). 1992;123:1433-8 (Symposium)

Efficacy and safety of quinapril in the elderly hypertensive patient (Forette et al). 1992;123:1426-32 (Symposium)

## **R**

# **Radiofrequency catheter ablation; see Electrocoagulation**

# **Radiographic contrast media; see Contrast media**

# **Radiographic image interpretation, computer-assisted** Evaluation of a personal computer-based quantitative coronary analysis system for rapid assessment of coronary stenoses (Alvarez et al). 1992;123:1500-10

# **Radionuclide angiography** Mechanisms for an abnormal radionuclide left ventricular ejection fraction response to exercise in patients with chronic, severe aortic regurgitation (Stewart et al). 1992;123:453-61

# **Radionuclide imaging** Atrioventricular block during adenosine thallium imaging (Lee et al). 1992;123:1569-74

Clinical evaluation of cardiac function by ambulatory ventricular scintigraphic monitoring (VEST): validation and study of the effects of nitroglycerin and nifedipine in patients with and without coronary artery disease (Mohiuddin et al). 1992;123:386-94

Focal myocardial injury following blunt chest trauma: a comparison of indium-111 antimony scintigraphy with other noninvasive methods (Hendel et al). 1992;123:1208-15

# **Radionuclide imaging—Cont'd**

Limits of thallium-201 exercise scintigraphy to detect coronary disease in patients with complete and permanent bundle branch block: a review of 134 cases (Delonca et al). 1992;123:1201-7

Prognostic value of dipyridamole thallium-201 scintigraphy in patients with stable chest pain (Stratmann et al). 1992;123:317-23

# **Rapeseed oil; see Plant oils**

# **Recanalization; see Balloon dilatation**

# **Recombinant interferon alpha; see Interferon alpha, recombinant**

# **Recombinant interleukin-2; see Interleukin-2**

# **Regional blood flow**

Vasodilating actions of calcitonin gene-related peptide in normal man: comparison with atrial natriuretic peptide (Ando et al). 1992;123:111-6

# **Regurgitation, aortic; see Aortic valve insufficiency**

# **Regurgitation, mitral; see Mitral valve insufficiency**

# **Rehabilitation**

Cardiac rehabilitation participation predicts lower rehospitalization costs (Ades et al). 1992;123:916-21

# **Renal function; see Kidney**

# **Renin**

Augmented norepinephrine and renin output in response to maximal exercise in hypertensive coarctectomy patients (Ross et al). 1992;123:1293-9

# **Renin-angiotensin system**

Circulatory and extracirculatory effects of angiotensin-converting enzyme inhibition (Weber et al). 1992;123:1414-20 (Symposium)

The myocardial renin-angiotensin system: existence, importance, and clinical implications (Grinstead and Young). 1992;123:1039-45 (Prog. cardiol.)

# **Reperfusion; see also Myocardial reperfusion**

Short-term treatment with synchronized coronary venous retroperfusion before full reperfusion significantly reduces myocardial infarct size (Hatori et al). 1992;123:1166-74

# **Reperfusion injury; see Myocardial reperfusion injury**

# **Research** Unrecognized contributions in cardiovascular research (Freis). 1992;123:824-34 (Editorial)

# **Respiratory distress syndrome, adult**

Adult respiratory distress syndrome following thrombolytic therapy with APSAC for acute myocardial infarction (Le et al). 1992;123:1368-9 (Brief comm.)

# **Respiratory function tests**

Serial pulmonary function tests in patients treated with low-dose amiodarone (Ulrik et al). 1992;123:1550-4

# **Rest/exercise test; see Exercise test**

# **Restenosis; see Coronary disease entries**

# **Restenosis, reduction of; see Coronary disease, prevention and control**

# **Restrictive cardiomyopathy; see Cardiomyopathy, restrictive**

# **Resuscitation, cardiopulmonary; see Cardiopulmonary resuscitation**

# **Retroperfusion, venous, coronary; see Reperfusion**

# **Revascularization; see Myocardial revascularization**

# **Right pulmonary artery; see Pulmonary artery**

# **Right ventricular dysplasia; see Heart ventricle, pathology**

# **Right ventricular ischemia; see Heart ventricle, pathology**

# **Right ventricular performance; see Ventricular function, right**

# **RSR' complex; see Electrocardiography**

# **Rubidium**

Detection of coronary artery disease with positron emission tomography and rubidium 82 (Grover-McKay et al). 1992;123:646-52

## **S**

# **St. Jude Medical valve; see Heart valve prosthesis**

# **Saphenous vein**

Palma-Schatz stent implantation in stenosed saphenous vein grafts: clinical and angiographic follow-up (Strumpf et al). 1992;123:1329-36 (Prog. cardiol.)



**Sarcoma**

Echocardiographic demonstration of mitral block caused by left atrial spindle cell sarcoma (Shechter et al). 1992;123:232-4 (Brief comm.)

**Scintigraphy; see Radionuclide imaging****Scorpion venoms**

Scorpion venom cardiomyopathy (Kumar et al). 1992;123:725-9

**Sequential transcatheter treatment; see Heart catheterization****Serum albumin**

Serum albumin, coronary heart disease, and death (Gillum and Makuc). 1992;123:507-13 (Prog. cardiol.)

**Sex factors**

Age- and sex-related variation of plasma endothelin-1 concentration in normal and hypertensive subjects (Miyachi et al). 1992;123:1092-3 (Brief comm.)

Gender differences in mortality rates for coronary artery bypass surgery (Hannan et al). 1992;123:866-72

**Shock, cardiogenic**

Mixed venous oxygen saturation in AMI (Nimmo) (Letter); (Sumimoto) (Reply). 1992;123:1720-1

**Shock waves**

Characteristics of shock waves induced by pulsed lasers and their effects on arterial tissue: comparison of excimer, pulse dye, and holmium YAG lasers (Tomaru et al). 1992;123:896-904

Comparison of ablation efficacy of excimer, pulsed-dye, and holmium-YAG lasers relevant to shock waves (Tomaru et al). 1992;123:886-95

**Signal averaged electrocardiography; see Electrocardiography****Single balloon valvuloplasty; see Balloon dilatation****Sinus arrest; see Heart arrest****Sinus of Valsalva**

Ehlers-Danlos syndrome with aortic regurgitation, dilation of the sinuses of Valsalva, and abnormal dermal collagen fibrils (Takahashi et al). 1992;123:1709-12 (Brief comm.)

Role of transesophageal echocardiography in sinus of Valsalva aneurysm (McKenney et al). 1992;123:228-9 (Brief comm.)

**Skin pigmentation**

The syndrome of right atrial myxoma, spotty skin pigmentation, and acromegaly (Yen et al). 1992;123:243-4 (Brief comm.)

**Sotalol**

Efficacy and electrophysiologic effects of oral sotalol in patients with sustained ventricular tachycardia caused by coronary artery disease (Kus et al). 1992;123:82-9

Hemodynamic effects of *d*-sotalol in acute ischemic heart failure in dogs (Mortensen et al). 1992;123:970-7

Oral sotalol in pediatric atrial ectopic tachycardia (Colloridi et al). 1992;123:254-6 (Brief comm.)

Short- and long-term antiarrhythmic and hemodynamic effects of *d,l*-sotalol in patients with symptomatic ventricular arrhythmias (Hohnloser et al). 1992;123:1220-4

**Spasm, coronary; see Coronary vasospasm****Special report**

Special report. 1992;123:1337-67

**SPECT; see Tomography, emission-computed, single-photon****Spindle cell sarcoma; see Sarcoma****Spotty skin pigmentation; see Skin pigmentation****ST segment; see Electrocardiography****Stains and staining**

Myocardial patchy staining of dystrophin in Becker's muscular dystrophy associated with cardiomyopathy (Anan et al). 1992;123:1088-9 (Brief comm.)

**Stenosis, coronary; see Coronary disease entries****Stents**

Effects of design geometry of intravascular endoprostheses on stenosis rate in normal rabbits (Tominaga et al). 1992;123:21-8

Palmaz-Schatz stent implantation in stenosed saphenous vein grafts: clinical and angiographic follow-up (Strumpf et al). 1992;123:1329-36 (Prog. cardiol.)

Stenting of venous bypass grafts: a new treatment modality for patients who are poor candidates for reintervention (de Scheerder et al). 1992;123:1046-54 (Prog. cardiol.)

**Streptokinase**

A comparison between intravenous streptokinase and tissue plasminogen activator with early intravenous heparin in acute myocardial infarction (Cherng et al). 1992;123:841-6

**Streptokinase—Cont'd**

Percutaneous balloon membranotomy combined with prolonged streptokinase infusion for management of inferior vena cava obstruction (Sharma et al). 1992;123:515-8 (Brief comm.)

Residual coronary stenoses and calculated transstenotic gradients after intravenous streptokinase versus tissue plasminogen activator (Kimball et al). 1992;123:7-14

Thrombolytic therapy for prosthetic valve thrombosis: a study based on serial Doppler echocardiographic evaluation (Vasan et al). 1992;123:1575-80

**Stress**

Hypotension during dobutamine stress echocardiography: initial description and clinical relevance (Rosamond et al). 1992;123:403-7

Stress-induced ST segment shift in leads V<sub>3R</sub> and V<sub>4R</sub> after acute myocardial infarction (Coma-Canella). 1992;123:362-8

**Stroke volume**

Effect of atrioventricular synchrony on stroke volume during ventricular tachycardia in man (Maloney et al). 1992;123:1561-8

Effects of external constraint on the fetal left ventricular function curve (Grant et al). 1992;123:1601-9

The importance of pericardial constraint in experimental pulmonary embolism and volume loading (Belenkie et al). 1992;123:733-42

Left ventricular ejection fraction is increased during transeophageal echocardiography in patients with impaired ventricular function (Stoddard et al). 1992;123:1005-10

Mechanisms for an abnormal radionuclide left ventricular ejection fraction response to exercise in patients with chronic, severe aortic regurgitation (Stewart et al). 1992;123:453-61

Predictors of prognosis in severe chronic heart failure (Parameshwar et al). 1992;123:421-6

Reperfusion of the infarct-related coronary artery limits left ventricular expansion beyond myocardial salvage (Marino et al). 1992;123:1157-65

**Subaortic obstruction; see Aortic valve stenosis****Substance abuse**

Transesophageal echocardiographic diagnosis of acute aortic dissection complicating cocaine abuse (Om et al). 1992;123:532-4 (Brief comm.)

**Substance P**

Preservation of endothelium-dependent vasodilation in the spastic segment of the human epicardial coronary artery by substance P (Yamamoto et al). 1992;123:298-303

**Subtraction technique**

Estimation of right ventricular volume by modified echocardiographic subtraction method (Tomita et al). 1992;123:1011-22

**Sudden death; see Death, sudden, cardiac****Superior vena cava; see Vena cava, superior****Superior vena cava syndrome**

Superior vena cava thrombosis due to pacing electrodes: successful treatment with combined thrombolysis and angioplasty (Sunder et al). 1992;123:790-2 (Brief comm.)

**Supraventricular arrhythmia; see Arrhythmia****Supraventricular tachyarrhythmia; see Arrhythmia****Supraventricular tachycardia; see Tachycardia, supraventricular****Survival; see also Mortality**

Survival of heart failure patients with preserved versus impaired systolic function: the prognostic implication of blood pressure (Ghali et al). 1992;123:993-7

**Syncope**

Discrepancy between head-up tilt test results utilizing different protocols in the same patient (Janosik et al). 1992;123:538-41 (Brief comm.)

Exertional syncope caused by left main coronary artery spasm (Havranek and Dunbar). 1992;123:792-4 (Brief comm.)

Long-term outcome in symptomatic carotid sinus hypersensitivity (Brignole et al). 1992;123:687-92

**Syndrome X**

A combination of electrocardiographic methods represents a further step toward the noninvasive identification of patients with syndrome X (Burton et al). 1992;123:53-8

**Synergistic action; see Drug synergism****Systemic embolism; see Embolism****Systole**

Comparison of gray-scale and B-color ultrasound images in evaluating left ventricular systolic function in coronary artery disease (Huang et al). 1992;123:395-402

# Systole—Cont'd

- Doppler demonstration of systolic aortic regurgitation (Unger and Vandenbossche). 1992;123:805-7 (Brief comm.)
- Junctional rhythm and atrial contraction: a mechanism for systolic sound (Langhorne and Phillips). 1992;123:1699-701 (Brief comm.)
- Survival of heart failure patients with preserved versus impaired systolic function: the prognostic implication of blood pressure (Ghali et al). 1992;123:993-7

## T

### T waves; see Echocardiography

### Tachyarrhythmia; see Arrhythmia

### Tachycardia

- Antiarrhythmic drug exacerbation of ventricular tachycardia inducibility during electrophysiologic study (Sager et al). 1992;123:926-33
  - Autosomal dominant inherited ventricular tachycardia (Rubin et al). 1992;123:1082-4 (Brief comm.)
  - Does programmed stimulation really help in the evaluation of patients with nonsustained ventricular tachycardia? Results of a meta-analysis (Kowey et al). 1992;123:481-5 (Curriculum cardiol.)
  - Effect of atrioventricular synchrony on stroke volume during ventricular tachycardia in man (Maloney et al). 1992;123:1561-8
  - Efficacy and electrophysiologic effects of oral sotalol in patients with sustained ventricular tachycardia caused by coronary artery disease (Kus et al). 1992;123:82-9
  - New-onset ventricular tachycardia during pregnancy (Brodsky et al). 1992;123:933-41
  - Ventricular dysrhythmias in patients undergoing coronary artery bypass graft surgery: incidence, characteristics and prognostic importance (Smith et al). 1992;123:73-81
  - Ventricular tachycardia in plasma cell dyscrasia syndrome (Grubelich and Venditti). 1992;123:800-2 (Brief comm.)
- ### Tachycardia, ectopic atrial
- Catheter fulguration ablation of left atrial ectopic tachycardia in a child (Young et al). 1992;123:253-4 (Brief comm.)
  - Oral sotalol in pediatric atrial ectopic tachycardia (Colloridi et al). 1992;123:254-6 (Brief comm.)
  - Successful radiofrequency catheter ablation of an atrial ectopic tachycardia in an adolescent (Lau et al). 1992;123:1384-6 (Brief comm.)

### Tachycardia, supraventricular

- Acute termination of supraventricular tachycardia by adenosine during pregnancy (Harrison et al). 1992;123:1386-8 (Brief comm.)
- Adenosine versus verapamil in the treatment of supraventricular tachycardia: a randomized double-blind crossover trial (Hood and Smith). 1992;123:1543-9
- Electrical cardioversion after amiodarone administration (Sagrà-Saulea et al). 1992;123:1536-42
- Flecainide therapy in patients treated for supraventricular tachycardia with near normal left ventricular function (Hughes et al). 1992;123:408-12

### Tamponade; see Cardiac tamponade

### Tandem lesions, coronary; see Coronary disease entries

### Taurine

- Reduction of reperfusion injury with preoperative rapid intravenous infusion of taurine during myocardial revascularization (Milei et al). 1992;123:339-45

### Technetium

- Combined assessment of technetium-99m SESTAMIBI planar myocardial perfusion images at rest and during exercise with rest/exercise left ventricular wall motion studies evaluated from gated myocardial perfusion studies (Verzijlbergen et al). 1992;123:59-68

### Thallium

- Atrioventricular block during adenosine thallium imaging (Lee et al). 1992;123:1569-74
- Influence of exercise intensity on the presence, distribution, and size of thallium-201 defects (Heller et al). 1992;123:909-16
- Limits of thallium-201 exercise scintigraphy to detect coronary disease in patients with complete and permanent bundle branch block: a review of 134 cases (Delonca et al). 1992;123:1201-7

# Thallium—Cont'd

- Lung and myocardial thallium-201 kinetics in resting patients with congestive heart failure: correlation with pulmonary capillary wedge pressure (Martinez et al). 1992;123:427-32
- Prognostic value of dipyridamole thallium-201 scintigraphy in patients with stable chest pain (Stratmann et al). 1992;123:317-23

### Thebesian vein outflow

- Myocardial contrast echocardiography can depict thebesian vein outflow in humans (Cornel et al). 1992;123:1373-4 (Brief comm.)

### Thermal balloon angioplasty; see Angioplasty, transluminal

### Thoracic injuries

- Acute thrombotic coronary occlusion secondary to chest trauma treated with intracoronary thrombolysis (Ledley et al). 1992;123:518-21 (Brief comm.)
- Posteromedial papillary muscle rupture as a result of right coronary artery occlusion after blunt chest injury (Neiman and Hui). 1992;123:1694-9 (Brief comm.)
- Subclinical traumatic aortic injury diagnosed by transesophageal echocardiography (Davis et al). 1992;123:534-6 (Brief comm.)

### Thrombocytosis

- Primary thrombocytosis and myocardial ischemic syndrome in a young woman (Adlakha et al). 1992;123:786-90 (Brief comm.)

### Thromboembolism

- Efficacy and safety of early versus late initiation of warfarin during heparin therapy in acute thromboembolism (Mohiuddin et al). 1992;123:729-32
- Ventricular thrombi and thromboembolism in dilated cardiomyopathy: a prospective follow-up study (Falk et al). 1992;123:136-42

### Thrombolysis; see Thrombolytic therapy

### Thrombolytic therapy

- Acute thrombotic coronary occlusion secondary to chest trauma treated with intracoronary thrombolysis (Ledley et al). 1992;123:518-21 (Brief comm.)
- Adult respiratory distress syndrome following thrombolytic therapy with APSAC for acute myocardial infarction (Le et al). 1992;123:1368-9 (Brief comm.)
- Antithrombotic therapy in deep vein thrombosis and pulmonary embolism (Hirsh). 1992;123:1115-22 (Symposium)
- Antithrombotic therapy in left ventricular thrombosis and systemic embolism (Cregler). 1992;123:1110-4 (Symposium)
- Arrhythmias during the acute phase of reperfusion therapy for acute myocardial infarction: effects of  $\beta$ -adrenergic blockade (Hohnloser et al). 1992;123:1530-5
- Early detection of coronary artery patency after thrombolysis by determination of the MM creatine kinase isoforms in patients with acute myocardial infarction (Schofer et al). 1992;123:846-53
- Importance of reperfusion on thromboxane A<sub>2</sub> metabolite excretion after thrombolysis (Rebuzzi et al). 1992;123:560-6
- Intraaortic balloon pump and thrombolysis in AMI (Silverman and Wetmore) (Letter); (Ohman) (Reply). 1992;123:1720
- Relationship between the preexistent coronary collateral circulation and successful intracoronary thrombolysis for acute myocardial infarction (Araia et al). 1992;123:1452-5
- Reperfusion of the infarct-related coronary artery limits left ventricular expansion beyond myocardial salvage (Marino et al). 1992;123:1157-65
- Successful thrombolytic therapy for prosthetic pulmonary valve thrombosis evaluated by Doppler echocardiography (Marti et al). 1992;123:1065-7 (Brief comm.)
- Superior vena cava thrombosis due to pacing electrodes: successful treatment with combined thrombolysis and angioplasty (Sunder et al). 1992;123:790-2 (Brief comm.)
- Thrombolytic therapy for prosthetic valve thrombosis: a study based on serial Doppler echocardiographic evaluation (Vasan et al). 1992;123:1575-80

### Thrombophlebitis

- Antithrombotic therapy in deep vein thrombosis and pulmonary embolism (Hirsh). 1992;123:1115-22 (Symposium)

### Thrombosis, coronary; see Coronary thrombosis

### Thromboxane A<sub>2</sub>

- Importance of reperfusion on thromboxane A<sub>2</sub> metabolite excretion after thrombolysis (Rebuzzi et al). 1992;123:560-6

**Tilt table test**

Discrepancy between head-up tilt test results utilizing different protocols in the same patient (Janosik et al). 1992;123:538-41 (Brief comm.)

**Tissue donors**

Angiographic and intracoronary flow velocity reversal in a transplanted heart: a common etiology for an uncommon condition (Donohue et al). 1992;123:1374-7 (Brief comm.)

**Tissue plasminogen activator; see Plasminogen activator, tissue-type****Tomography, emission-computed**

Assessment of myocardial oxidative metabolism in aortic valve disease using positron emission tomography with C-11 acetate (Hicks et al). 1992;123:653-64

Detection of coronary artery disease with positron emission tomography and rubidium 82 (Grover-McKay et al). 1992;123:646-52

**Tomography, emission-computed, single-photon**

Atrioventricular block during adenosine thallium imaging (Lee et al). 1992;123:1569-74

Chronic myocardial infarction: assessment of morphology, function, and perfusion by gradient echo magnetic resonance imaging and <sup>99m</sup>Tc-methoxyisobutyl-isonitrile SPECT (Baer et al). 1992;123:636-45

**Torsades de pointes**

Torsades de pointe after intravenous adenosine in the presence of prolonged QT syndrome (Wesley and Turnquest). 1992;123:794-6 (Brief comm.)

**Toxic oil syndrome; see Plant oils****Toxoplasma**

Toxoplasma myocarditis in AIDS (Cappell et al). 1992;123:1728-30 (Letter)

**Transcatheter treatment; see Heart catheterization****Transesophageal atrial pacing; see Cardiac pacing, artificial****Transesophageal Doppler echocardiography; see Echocardiography, Doppler****Transesophageal echocardiography; see Echocardiography****Transesophageal low-energy cardioversion; see Electric countershock****Transfemoral catheterization; see Heart catheterization****Transient myocardial ischemia; see Ischemia****Transmural pressure; see Blood pressure****Transvalvular pressure gradient; see Blood pressure****Trapidil**

Effects of trapidil (triazolopyrimidine), a platelet-derived growth factor antagonist, in preventing restenosis after percutaneous transluminal coronary angioplasty (Okamoto et al). 1992;123:1439-44

**Treadmill exercise test; see Exercise test****Triazolopyrimidine; see Trapidil****Tricuspid regurgitation; see Tricuspid valve insufficiency****Tricuspid valve**

Corrective surgery for tricuspid atresia: Which modification of Fontan-Kreutzer procedure should be used? A review (Chopra and Rao). 1992;123:758-67 (Curriculum cardiol.)

Transesophageal echocardiography in the diagnosis of flail tricuspid valve (Winslow et al). 1992;123:1682-4 (Brief comm.)

Tricuspid atresia associated with aortopulmonary window: controlling pulmonary blood flow with a fenestrated patch (Geva et al). 1992;123:260-2 (Brief comm.)

**Tricuspid valve insufficiency**

The prevalence of valvular regurgitation in children with structurally normal hearts: a color Doppler echocardiographic study (Brand et al). 1992;123:177-80

Transesophageal echocardiographic diagnosis of isolated tricuspid valve prolapse with severe tricuspid regurgitation (Liddell et al). 1992;123:230-2 (Brief comm.)

**Tricuspid valve prolapse**

Transesophageal echocardiographic diagnosis of isolated tricuspid valve prolapse with severe tricuspid regurgitation (Liddell et al). 1992;123:230-2 (Brief comm.)

**Trypanosomiasis, South American**

Chagas' disease in the United States (Reyes) (Letter); (Theis) (Reply). 1992;123:1724

Does Chagas' disease exist as an undiagnosed form of cardiomyopathy in the United States? (Milei et al). 1992;123:1732-5 (Editorial)

**Turner's syndrome**

Persistent left superior vena cava in Turner's syndrome: a transesophageal echocardiographic study (Hilton et al). 1992;123:234-6 (Brief comm.)

**Twiddler's syndrome; see Equipment failure****Two-dimensional echocardiography; see Echocardiography****Two-vessel PTCA; see Angioplasty, transluminal, percutaneous coronary****U****UL-FS 49**

Regional redistribution of myocardial perfusion by UL-FS 49, a selective bradycardic agent (O'Brien et al). 1992;123:566-74

**Ultrasonography**

Biplane transesophageal echocardiography: an anatomic-ultrasonic-clinical correlative study (Wang et al). 1992;123:1027-38 (Curriculum cardiol.)

Comparison of gray-scale and B-color ultrasound images in evaluating left ventricular systolic function in coronary artery disease (Huang et al). 1992;123:395-402

Failure or success of complex catheter-based interventional procedures assessed by intravascular ultrasound (Keren et al). 1992;123:200-8 (Prog. cardiol.)

Influence of exercise intensity on the presence, distribution, and size of thallium-201 defects (Heller et al). 1992;123:909-16

Intravascular ultrasound-assisted percutaneous angioplasty of aortic coarctation (Jain et al). 1992;123:514-5 (Brief comm.)

Intravascular ultrasound imaging in a patient with unstable angina (Mintz et al). 1992;123:1692-4 (Brief comm.)

Intravascular ultrasound in coronary atherosclerosis: a new approach to clinical assessment (Liebson and Klein). 1992;123:1643-60 (Prog. cardiol.)

Repair of postcatheterization femoral pseudoaneurysms by color flow ultrasound guided compression (Fellmeth et al). 1992;123:547-51 (Brief comm.)

**United States Food and Drug Administration**

Toxic oil syndrome (Fitzpatrick) (Letter); (James) (Reply). 1992;123:1722-3

**Unstable angina; see Angina, unstable****Urokinase**

The intracoronary administration of urokinase following direct PTCA for acute myocardial infarction reduces early restenosis (Morishita et al). 1992;123:1153-6

Relationship between the preexistent coronary collateral circulation and successful intracoronary thrombolysis for acute myocardial infarction (Araie et al). 1992;123:1452-5

**V****Valvotomy; see Balloon dilatation****Valvular regurgitation; see specific valves****Valvuloplasty, balloon; see Balloon dilatation****Valvuloplasty, percutaneous aortic balloon; see Balloon dilatation****Vascular patency**

Early detection of coronary artery patency after thrombolysis by determination of the MM creatine kinase isoforms in patients with acute myocardial infarction (Schofer et al). 1992;123:846-53

**Vascular resistance**

Temporal increase in resting coronary blood flow causes an impairment of coronary flow reserve after coronary angioplasty (Nanto et al). 1992;123:28-36

**Vasoconstriction**

Coronary tandem lesions: effect of exercise (Gaglione et al). 1992;123:1487-92

**Vasodilation**

Atrioventricular block during adenosine thallium imaging (Lee et al). 1992;123:1569-74

The effect of ergonovine on coronary vasodilatory reserve in patients with angiographically normal coronary arteries (Tatini et al). 1992;123:617-20



# **Vasodilation—Cont'd**

- Left ventricular regional dysfunction induced by intracoronary papaverine in patients with isolated stenosis of the left anterior descending coronary artery (Foult et al). 1992;123:1493-9
- Preservation of endothelium-dependent vasodilation in the spastic segment of the human epicardial coronary artery by substance P (Yamamoto et al). 1992;123:298-303

# **Vasodilator agents**

- A multicenter, randomized, double-blind, placebo-controlled trial of pimobendan, a new cardiotonic and vasodilator agent, in patients with severe congestive heart failure (Katz et al). 1992;123:95-103
- Vasodilating actions of calcitonin gene-related peptide in normal man: comparison with atrial natriuretic peptide (Ando et al). 1992;123:111-6

# **Vasospasm; see Coronary vasospasm**

# **Vena cava, inferior**

- Percutaneous balloon membranotomy combined with prolonged streptokinase infusion for management of inferior vena cava obstruction (Sharma et al). 1992;123:515-8 (Brief comm.)

# **Vena cava, superior**

- Persistent left superior vena cava in Turner's syndrome: a transesophageal echocardiographic study (Hilton et al). 1992;123:234-6 (Brief comm.)

# **Venous oxygen saturation; see Blood gas analysis**

# **Venous pressure**

- Venous modulation of ventricular preload (Tyberg). 1992;123:1098-104 (Editorial)

# **Venous retroperfusion, coronary; see Reperfusion**

# **Ventricular arrhythmia; see Arrhythmia**

# **Ventricular chamber dimension; see Heart ventricle, anatomy**

# **Ventricular dilatation; see Dilatation**

- Ventricular diseases; *see* Heart ventricle, pathology
- Ventricular dysplasia; *see* Heart ventricle, pathology
- Ventricular ectopy; *see* Heart ventricle, abnormalities
- Ventricular ejection fraction; *see* Stroke volume

# **Ventricular fibrillation**

- An attempt at electrical catheter ablation of the arrhythmogenic area in idiopathic ventricular fibrillation (Aizawa et al). 1992;123:257-60 (Brief comm.)
- Dietary lipid modulation of ventricular fibrillation threshold in the marmoset monkey (McLennan et al). 1992;123:1555-61
- Ventricular dysrhythmias in patients undergoing coronary artery bypass graft surgery: incidence, characteristics and prognostic importance (Smith et al). 1992;123:73-81
- Ventricular fibrillation induced by transesophageal atrial pacing in asymptomatic Wolff-Parkinson-White syndrome (Brembilla-Perrot and Dechaux). 1992;123:536-7 (Brief comm.)

# **Ventricular function**

- Venous modulation of ventricular preload (Tyberg). 1992;123:1098-104 (Editorial)

# **Ventricular function, left**

- Accuracy of various methods of measuring the transvalvular pressure gradient in aortic stenosis (Brogan et al). 1992;123:948-53
- Catheter optimization during contrast ventriculography: a prospective randomized trial (Lehmann et al). 1992;123:1273-8
- Combined assessment of technetium-99m SESTAMIBI planar myocardial perfusion images at rest and during exercise with rest/exercise left ventricular wall motion studies evaluated from gated myocardial perfusion studies (Verzijlbergen et al). 1992;123:59-68
- Comparison of gray-scale and B-color ultrasound images in evaluating left ventricular systolic function in coronary artery disease (Huang et al). 1992;123:395-402
- Decreased myocardial <sup>123</sup>I-metaiodobenzylguanidine uptake is associated with disturbed left ventricular diastolic filling in diabetes (Mustonen et al). 1992;123:804-5 (Brief comm.)
- Effects of external constraint on the fetal left ventricular function curve (Grant et al). 1992;123:1601-9
- Effects of intraaortic balloon pumping on mitral flow dynamics in patients with coronary artery bypass operations (Shimamoto et al). 1992;123:1229-36
- Effects of venous return reduction in hypertensive patients: Is there a Doppler diastolic dysfunction index independent of preload reduction? (Castini et al). 1992;123:1299-306
- Flecainide therapy in patients treated for supraventricular tachycardia with near normal left ventricular function (Hughes et al). 1992;123:408-12

# **Ventricular function, left—Cont'd**

- Functional significance of post-myocardial infarction left ventricular hypertrophy: a beneficial response (Ginzton et al). 1992;123:628-35
- Hemodynamic effects of *d*-sotalol in acute ischemic heart failure in dogs (Mortensen et al). 1992;123:970-7
- Hemodynamic effects of the vascular selective calcium antagonist felodipine in patients with impaired left ventricular function (Gradman). 1992;123:273-8 (Editorial)
- Hypoplastic left heart syndrome: progression of left ventricular dilation and dysfunction to left ventricular hypoplasia in utero (Danford and Cronican). 1992;123:1712-3 (Brief comm.)
- Left ventricular ejection fraction is increased during transthoracic echocardiography in patients with impaired ventricular function (Stoddard et al). 1992;123:1005-10
- Left ventricular involvement in right ventricular dysplasia (Pinamonti et al). 1992;123:711-24
- Left ventricular regional dysfunction induced by intracoronary papaverine in patients with isolated stenosis of the left anterior descending coronary artery (Foult et al). 1992;123:1493-9
- Myocardial salvage with direct coronary angioplasty for acute infarction (O'Keefe et al). 1992;123:1-6
- Reperfusion of the infarct-related coronary artery limits left ventricular expansion beyond myocardial salvage (Marino et al). 1992;123:1157-65
- The right and left ventricular intracavitary and transmural pressure-strain relationships (Traboulsi et al). 1992;123:1279-87
- Scorpion venom cardiomyopathy (Kumar et al). 1992;123:725-9
- Synergistic action of postextrasystolic potentiation and dipiridone on left ventricular wall motion abnormalities in coronary heart disease (Marchionni et al). 1992;123:977-83

# **Ventricular function, right**

- Differentiation between primary dilated cardiomyopathy and ischemic cardiomyopathy based on right ventricular performance (Iskandrian et al). 1992;123:768-73 (Prog. cardiol.)
- Estimation of right ventricular volume by modified echocardiographic subtraction method (Tomita et al). 1992;123:1011-22
- Left ventricular involvement in right ventricular dysplasia (Pinamonti et al). 1992;123:711-24
- MRI in right ventricular endomyocardial fibrosis (D'Silva et al). 1992;123:1390-2 (Brief comm.)
- Paradoxical right ventricular wall motion in postsurgical anterior cardiac compression by hematoma (D'Cruz et al). 1992;123:1069-71 (Brief comm.)
- The right and left ventricular intracavitary and transmural pressure-strain relationships (Traboulsi et al). 1992;123:1279-87
- Right ventricular filling following balloon pulmonary valvuloplasty (Rao). 1992;123:1084-6 (Brief comm.)

# **Ventricular hypertrophy; see Hypertrophy**

# **Ventricular ischemia; see Heart ventricle, pathology**

# **Ventricular mass; see Heart ventricle, anatomy**

# **Ventricular outflow obstruction**

- Development of obstruction to ventricular outflow and impairment of inflow in glycogen storage disease of the heart: serial echocardiographic studies from birth to death at 6 months (Seifert et al). 1992;123:239-42 (Brief comm.)
- Severe subpulmonic outflow obstruction caused by aneurysm of the membranous ventricular septum: diagnosis by transthoracic echocardiography (Sharma et al). 1992;123:810-4 (Brief comm.)

# **Ventricular scintigraphic monitoring; see Radionuclide imaging**

# **Ventricular septum; see Heart septum**

# **Ventricular tachycardia; see Tachycardia**

# **Ventricular thrombus; see Coronary thrombosis**

# **Ventricular volume; see Cardiac volume**

# **Ventricular wall thickness; see Heart ventricle, anatomy**

# **Ventriculoatrial conduction; see Heart conduction system**

# **Ventriculography, radionuclide**

- Catheter optimization during contrast ventriculography: a prospective randomized trial (Lehmann et al). 1992;123:1273-8

# **Verapamil**

- Adenosine versus verapamil in the treatment of supraventricular tachycardia: a randomized double-blind crossover trial (Hood and Smith). 1992;123:1543-9

# Viscosity

Effect of viscosity and iodine concentration of nonionic radiographic contrast media on coronary arteriography in patients (Kern et al). 1992;123:160-5

Volume loading; *see* **Stroke volume**

## W

# Warfarin

Efficacy and safety of early versus late initiation of warfarin during heparin therapy in acute thromboembolism (Mohiuddin et al). 1992;123:729-32

# Weight loss

Superiority of nonpharmacologic therapy compared to propranolol and placebo in men with mild hypertension: a randomized, prospective trial (Kostis et al). 1992;123:466-74

# Wolff-Parkinson-White syndrome

Ventricular fibrillation induced by transesophageal atrial pacing in asymptomatic Wolff-Parkinson-White syndrome (Brembilla-Perrot and Dechaux). 1992;123:536-7 (Brief comm.)

WPW syndrome during pregnancy: increased incidence of supraventricular arrhythmias (Widerhorn et al). 1992;123:796-8 (Brief comm.)

# Wounds, nonpenetrating

Focal myocardial injury following blunt chest trauma: a comparison of indium-111 antimyosin scintigraphy with other noninvasive methods (Hendel et al). 1992;123:1208-15

Posteromedial papillary muscle rupture as a result of right coronary artery occlusion after blunt chest injury (Neiman and Hui). 1992;123:1694-9 (Brief comm.)

WPW syndrome; *see* **Wolff-Parkinson-White syndrome**

